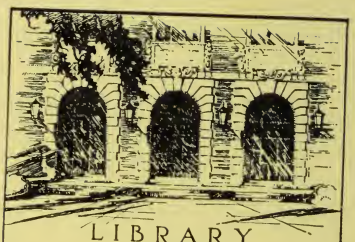

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MACALESTER COLLEGE BULLETIN

CATALOGUE NUMBER

APRIL 1912

VOLUME VIII NUMBER 4

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GENERAL VIEW OF EDUCATIONAL PLANT

Men's Brick Dormitory
Baldwin School

Main Recitation
Hall

Carnegie Science
Hall

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CATALOGUE

OF

Macalester College

Baldwin School

(Preparatory)

AND

School of Music

1911-1912

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under act of congress July 16, 1894.

College Calendar.

1912-1913.

1912.

May 30. Thursday, Decoration day.

June 7. Friday, 8:15 p. m., Commencement, Baldwin School.

June 8. Saturday, 8:15 p. m., Senior Class Play.

June 9. Sunday, 10:30 a. m., Baccalaureate Sermon.

June 9. Sunday, 8:00 p. m., Alumni and Christian Associations' Sermon.

June 10. Monday, 8:15 p. m., Senior Class Play.

June 11. Tuesday, 10:00 a. m., Class Day Exercises.

June 11. Tuesday, 1:30 p. m., Annual Meeting of Board of Trustees.

June 11. Tuesday, 8:15 p. m., Recital, School of Music.

June 12. Wednesday, 10:00 a. m., Twenty-fourth Annual Commencement.

June 12. Wednesday, 1:15 p. m., Alumni Banquet.

June 12. Wednesday, 8:00 p. m., President's Reception.

Sept. 9-11. Monday-Wednesday, Registration Days.

Sept. 11. Wednesday, 10:30 a. m., First Semester begins.

Nov. 28-29. Thursday, Friday, Thanksgiving Recess.

Dec. 20. Friday, 4:20 p. m., Christmas Vacation begins.

1913.

Jan. 8. Wednesday, 8:00 a. m., Christmas Vacation ends.

Jan. 31. Friday, First Semester ends.

Feb. 3. Monday, 8:00 a. m., Second Semester begins.

March 19. Wednesday, 4:20 p. m., Easter Vacation begins.

March 26. Wednesday, 8:00 a. m., Easter Vacation ends.

June 11. Wednesday, Second Semester ends.

M I H
1911/12-1916/17

Board of Trustees.

Officers of the Board.

THOMAS SHAW .....President
R. A. KIRK .....Vice President
B. H. SCHRIBER .....Secretary
C. E. MACKEAN .....Treasurer
H. F. SOFTLEY ....Accountant

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TERMS EXPIRE JUNE, 1912.

REV. H. C. SWEARINGEN, D. D.....St. Paul, Minn.
R. A. KIRK .....St. Paul, Minn.
REV. JOHN E. BUSHNELL, D. D.....Minneapolis, Minn.
WATSON P. DAVIDSON .... St. Paul, Minn.
P. L. HOWE .... Minneapolis, Minn.

TERMS EXPIRE JUNE, 1913.

B. H. SCHRIBER.....St. Paul, Minn.
R. C. JEFFERSON.....St. Paul, Minn.
GEORGE W. WISHARD.....Minneapolis, Minn.
GEORGE D. DAYTON .....Minneapolis, Minn.
FREDERICK WEYERHAEUSER .....St. Paul, Minn.

TERMS EXPIRE JUNE, 1914.

THOMAS SHAW .....St. Paul, Minn.
A. D. THOMSON .....Duluth, Minn.
A. R. CHACE.....Marshall, Minn.
THOMAS B. JANNEY.....Minneapolis, Minn.
O. A. ROBERTSON .....Minneapolis, Minn.

T. MOREY HODGMAN, ex-officio.....St. Paul, Minn.

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Committee on Budget.

P. L. HOWE
R. C. JEFFERSON
T. M. HODGMAN

College Faculty.

THOMAS MOREY HODGMAN, A. M., LL. D., President,

Mathematics.

A. B., 1884, University of Rochester; A. M., 1890; LL. D., 1907. Graduate student in Mathematics in Chicago University and Cornell University. Associate Professor of Mathematics in University of Nebraska, 1884-1904. Professor of Inspection and Director of Summer Session, University of Nebraska, 1904-1907. Elected President Macalester College, February, 1907.

Residence, 476 Ashland Ave. N. W. Dale 2450.

JAMES WALLACE, Ph. D.,

Professor of Bible. Head Professor of Bible Training Department.

Chair endowed by Mr. Frederick Weyerhaeuser.

A. B., 1874, University of Wooster; A. M., 1877; Ph. D., 1887; LL. D. Adjunct Professor of Greek and Principal of the Academy, University of Wooster, 1876-1886. Student in Greece, 1875-1876. Greek Language and Literature, Macalester College, 1887-1906. President, Macalester College, 1894-1906. Leave of absence, 1907-1909. Professor of Bible, 1909——.

Residence, 1641 Laurel Ave. N. W. Midway 2178.

ANDREW WORK ANDERSON, A. M., Dean,

Professor of Philosophy and Education.

A. B., University of Wooster 1889; A. M., 1892. Principal of Poland (O.) Academy, 1889-1891. Mental Science, Logic and Philosophy, Macalester College, 1891——.

Residence, Macalester College. N. W. Midway 486.

DAVID NEWTON KINGERY, A. M., Registrar,

Professor of Mathematics and Astronomy.

A. B., Wabash College, 1893; A. M., 1899. Teacher of Mathematics and Science, Bluffton (Ind.) High School. Mathematics and Astronomy, Macalester College, 1896——.

Residence, 135 Amherst Ave.

JULIA MacFARLANE JOHNSON, A. M.,

Dean of Women,

Professor of English Literature and Old English.

Graduate of Mt. Holyoke, 1885. Student, University of Pennsylvania, 1887-1888. Student, University of Cincinnati, 1889-1890. A. M., University of Minnesota, 1905. Professor of Latin Language and Literature in Coates College, 1890-1893. Graduate student, University of Minnesota, 1905——. English Literature and Old English, Macalester College, 1897——.

Residence, Wallace Hall. N. W. Midway 535.

HENRY DANIEL FUNK, A. M.,

Professor of History.

Student Dubuque German Theological Seminary, 1891-1897. A. B., Macalester College, 1901. A. M., University of Minnesota, 1903. Harvard Summer School 1903. Graduate student, University of Minnesota, 1904-1910. German Language and Literature, Macalester College, 1901-1910. Graduate student Harvard University, 1910. History, Macalester College 1911——.

Residence, 196 Vernon Ave. N. W. Midway 2129.

RICHARD URIAH JONES, A. B.,

Professor of Chemistry.

A. B., Macalester College, 1901. Graduate student, University of Minnesota, 1901-1902. Graduate student, University of Chicago, Summer Quarters, 1908 and 1909. Instructor in Mathematics and Physics, Macalester Classical Academy, 1901-1903. Chemistry and Physics, Macalester College, 1903-1906. Chemistry, Macalester College, 1906——.

Residence, 1257 Lincoln Ave. N. W. Midway 940.

HUGH STUART ALEXANDER, A. M.,

Professor of Physics and Geology.

A. B., Macalester College, 1899. A. M., University of Minnesota, 1905. Teacher of Physics and Chemistry, Cleveland High School, St. Paul, Minn., 1899-1906. Physics, Macalester College, 1906——.

Residence, 1596 Summit Ave. N. W. Midway 1080.

JOHN PORTER HALL, A. B.,

Professor of Greek and Principal of Baldwin School.

A. B., Princeton University, 1897. Adj. Professor of Greek, Macalester College, 1897-1903. Instructor in Greek, Princeton University, 1903-1905. Greek, Macalester College, 1906——.

Residence, 1668 Princeton Ave.

GEORGE WILLIAM DAVIS, Ph. D., D. D.,

Professor of Hebrew Language and Literature. Social and Political Science. College Chaplain.

Graduate Victoria University, Manchester, England, 1882. Graduate Auburn Theological Seminary, 1886. Graduate student, Yale University, 1888-1890. Ph. D., (Yale) 1891. Professor Macalester College, 1892-1899. D. D., Macalester College, 1901. Student College de France, Paris, 1899-1901. Pastor, 1901-1907. Professor, Macalester College, 1907——.

Residence, 2268 Blake Ave. N. W. Midway 1152.

FREDERIC GIBBS AXTELL, A. M.,

Librarian. Associate Professor of Bibliography.

A. B., 1888, Wesleyan University; A. M., 1891. Graduate student in long semester, 1901-1902, University of Berlin. Graduate student in Summer Quarter, 1905, University of Chicago. Librarian Macalester College, 1903——. Associate Professor of Bibliography, 1909——.

Residence, 1479 Grand Ave.

FRANKLIN WATERS PLUMMER, A. B.,

Associate Professor of Biology. Physical Director for Men.

A. B., Wabash College, 1908. Graduate student in University of Minnesota, 1908-1909. Instructor, Macalester College, 1908-1910. Associate Professor of Biology, 1910——.
Residence, 75 Baldwin St.

HAROLD OMER BURGESS, A. B.,

Associate Professor of Latin Language and Literature.

A. B., Wabash College, 1908. Graduate student University of Minnesota, 1911. Principal New Market, Ind., High School, 1905-1907. Principal, Remington, Ind., High School, 1908-1909. Superintendent, Remington, Ind., School, 1909-1910. Associate Professor of Latin Language and Literature, Macalester College, 1910——.
Residence, 1667 Lincoln Ave.

CHARLES BREMICKER, A. B.,

Associate Professor of German.

A. B., Macalester College, 1911. Student in Gymnasium, Unterbarmen, Germany, Blackburn University, 1883, Dubuque German Seminary, 1884-1886. Graduate of McCormick Theological Seminary, 1888. Graduate student, University of Berlin, 1896.
Residence, 1507 Selby Ave. N. W. Midway 2310.

GRACE BEE WHITRIDGE,

Physical Director for Women. Instructor in Dramatic Art and English.

Graduate of Boston School of Oratory, 1890. Post-Graduate student of Boston School of Oratory, 1891. Student Harvard University, 1892. Graduate New York Academy of Dramatic Art, 1899. Student Columbia University, 1901, 1902, 1904.
Residence, 654 Hague Ave. N. W. Dale 301.

FARQUHAR DAVID McRAE, Ph. D., D. D.,

Instructor in Apologetics and History. Student Pastor.

A. B., Park College, 1887. A. M., New York University, 1893. Ph. D., New York University, 1896. D. D., Park College, 1910. Graduate of the Union Theological Seminary, 1890. Instructor in Apologetics, Macalester College, 1907——.
Residence, 41 Macalester Ave. N. W. Midway 537.

MAY GIBSON, A. M.,

Instructor in Latin.

University of Minnesota, A. B. 1905; A. M. 1910. Instructor in Latin and German, Alexandria, (Minn.) High School, 1906-1908. Instructor in Latin and English, Baldwin School, 1908-1910. Instructor in Latin, Macalester College, 1910——.
Residence, 312 17th Ave. S. E., Minneapolis, Minn.
N. W. East 2985.

LILY ISABEL LEWIS,

Instructor in French.

Student, Munich, Germany 1890-1894; Lausanne, Switzerland, 1894-1897; University of Minnesota, 1911——. Teacher of Foreign Language, Minneapolis School of Music, Oratory and Dramatic Art, 1909-1910; French and Singing, Eleanor Miller School, St. Paul, 1909-1910. Instructor in French, Macalester College 1910——.
Residence, 191 Macalester Ave. N. W. Midway 1984.

FRANK DICKEY SCOTT, A. B.,

Instructor in English and Argumentation.

A. B., Waynesburg College, 1910. Graduate student University of Minnesota, 1910——. Instructor in English and Argumentation, Macalester College, 1910——.
Residence, 1659 Princeton Ave. N. W. Midway 1859.

GERTRUDE CRIST,

Secretary to Faculty, President and Registrar.

Graduate, 1903, Central High School in the Scientific Course. Graduate, 1904, Lancaster Business College. Instructor in Lancaster Business College, 1904-1905. Instructor in Commercial Studies, Baldwin School, 1905——.
Residence, 1230 Dayton Ave. N. W. Midway 658.

Athletic Coaches.

F. W. PLUMMER .....Director
L. C. CHRISTOPHERSON .....Football and Track
F. L. MULLANE .....Baseball

Committees of the Faculty.

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A. W. ANDERSON — JULIA M. JOHNSON

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R. U. JONES — JAMES WALLACE
A. W. ANDERSON — H. S. ALEXANDER
H. O. BURGESS — HARRY PHILLIPS

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F. G. AXTELL — JAMES WALLACE
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CHARLES BREMICKER
JAMES WALLACE
JULIA M. JOHNSON
H. D. FUNK

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DR. J. E. BUSHNELL
DR. H. C. SWEARINGEN

Dormitory.

JULIA M. JOHNSON
GRACE B. WHITRIDGE.
THE PRESIDENT
F. D. SCOTT

Supervision of Buildings.

THE PRESIDENT
H. S. ALEXANDER
R. U. JONES
G. W. DAVIS

Advisory Members.

S. M. COOKMAN
H. E. OLSON

Teachers Bureau.

D. N. KINGERY
H. D. FUNK
MAY GIBSON
JAMES WALLACE
F. W. PLUMMER
GERTRUDE CHRIST, Sec'y

College Council.

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D. N. KINGERY — GRACE B. WHITRIDGE
OAKLEY R. TRIPP ..... Senior Representative
J. MERTON SNYDER ..... Junior Representative
LLOYD GILMORE ..... Sophomore Representative
ROSS H. WILLMERT ..... Freshman Representative
MIRIAM WALLACE ..... Academy Representative
JOHN T. McCALLUM ..... Academy Representative

Other Officials.

Housekeeper of Wallace Hall ..... ALICE M. CLOUGH
Steward of Edwards Hall ..... J. R. THOMAS
Steward of Eutrophian Hall ..... W. E. SCOTT
Steward of Uta Ota Club ..... L. H. WATKINS
Steward of Euthenian Club ..... LLOYD GILMORE
Head Engineer ..... SAMUEL M. COOKMAN
Superintendent of Buildings ..... H. E. OLSON
Assistant Engineer, Wallace Hall ..... G. O. CHASE
Assistant Engineers, Main Building ..... DEL LAUGHLIN
J. M. SNYDER
Head Janitor ..... H. G. BOSLEY

General Information.

Historical Sketch.

Macalester College is the outgrowth of the Baldwin School of St. Paul, projected by Rev. Edward D. Neill, D. D., as far back as 1853; and of a similar institution opened in 1873 by the same gentleman in Minneapolis. In 1874 Charles Macalester, of Philadelphia, donated to this school the valuable property known as the Winslow House, near the Falls of St. Anthony, with the understanding that as soon as possible it should be developed into a college. In his honor the institution was named Macalester College. Until 1880 it was an undenominational school. In October of that year it was adopted by the Synod of the Presbyterian Church of Minnesota. In 1883 a syndicate of the trustees bought the present site and gave it to the Board of Trustees. The first building thereon was erected in 1884 and the college was opened September 15, 1885.

Rev. Dr. Neill, the founder of the college, born in Philadelphia in 1823, was graduated from Amherst in 1842. After completing his theological studies under Rev. Albert Barnes, he came west, and in 1849, commissioned by the presbytery of Galena, Ill., came to St. Paul as a missionary to the whites. Thereafter until his death (except during the civil war) he devoted his time about equally to the work of the Christian minister and to that of an educator. He was the first territorial superintendent of public instruction and the first chancellor of the state university. He is the author of Neill's History of Minnesota, and also of valuable monographs on Colonial history. He died September 26, 1893.

Next to Dr. Neill, in point of disinterested service

for the college, stands Rev. Daniel Rice, D. D. Educated at Amherst College and at Andover Seminary, after long and useful service in Ohio and Indiana, he came to Minnesota in 1875. The late years of his life (1879-1889) he devoted wholly and gratuitously to the upbuilding of this institution of which he was an honored trustee and professor.

Others most actively interested in the establishment of Macalester College were William C. Baker, Richard Chute, W. W. McNair, John S. Pillsbury, Judge C. E. Vanderburgh, Rev. J. C. Whitney, Hon. Eugene M. Wilson, Rev. Robert F. Sample, Henry J. Horn, Henry M. Knox, H. L. Moss, ex-Governor Alexander Ramsey, Chas. T. Thompson, Robert P. Lewis, H. K. Taylor, Thomas Cochran, and Major B. F. Wright. Later, the college found warm friends and supporters in Rev. David James Burrell, D. D., and Rev. J. B. Donaldson, D. D., for several years president of the Board of Trustees. This list would not be complete without mention of the name of James Wallace, Ph. D., acting president 1894-1900 and president 1900-1906, whose faith and loyalty never faltered during the dark days following the panic of the early nineties. A number of the trustees were honored sons of Eastern colleges, such as Amherst, Hamilton, Williams, Lafayette, University of New York, Union and others. The purpose, therefore, in the minds of these men was to build up in the Northwest an institution after the noble character and aims of these institutions whence they came. This was their ideal.

From the beginning Macalester College was burdened with debt, and although, under the leadership of Dr. James Wallace and Rev. David C. Platter, financial secretary, this debt was considerably reduced, yet, on account of the hard times of the nineties, it had, by June 1898, risen to $180,000. Again, under Dr. Wal-

lace's administration, with the energetic assistance of Robert A. Kirk, Thos. Shaw, and Rufus C. Jefferson, the board was reorganized, the debt liquidated, and efforts for a permanent endowment begun. By February 1907, pledges had been made amounting to about $175,000.

Dr. James Wallace resigned the presidency June, 1906, and in January, 1907, Thomas Morey Hodgman of the University of Nebraska was elected president. On July 1st, 1911, the trustees certified that a total of $467,000 had been given; that of this total, $307,000 was invested in endowment securities and $160,000 in Wallace Hall and Carnegie Science Hall; that total assets were then $670,000; and that Quail, Parker & Co., Certified Public Accountants, had audited the financial accounts and standardized the method of bookkeeping. The chief gifts were $75,000 from the General Education Board, $50,000 from Hon. Andrew Carnegie, $50,000 from Mr. James J. Hill, $50,000 from Mr. Frederick Weyerhaeuser and over $100,000 from the Trustees. The debt of gratitude which church and college owe those who clung to the institution and who came to its help in the dark days—many of them are still members of the Board of Trustees—is not yet fully appreciated and can never be repaid. The patience, devoted loyalty and heroic sacrifices wrested a great victory out of apparent defeat.

Macalester College celebrated its quarter centennial June, 1910 with impressive ceremonies. By direction of the Board of Trustees and at the expense of the College, a History of Macalester College was published by Professor Henry D. Funk.

Macalester College sets, for its ideal of efficiency, an endowment of $1,000,000, a plant of $500,000 and a maximum attendance of 500 college students. Its most pressing needs are more endowment, a gymnasium

for men, a central heating and power plant, and a library building.

Form of Bequest.

The corporate name of the institution is Trustees of Macalester College.

Legal Form of Bequest—I give and bequeath to the Trustees of Macalester College of St. Paul, Minn., duly incorporated under the laws of Minnesota, the sum of ..... dollars.

Location.

Macalester College is located in Macalester Park, a beautiful suburb in the so-called Midway district, between the Twin Cities of Minneapolis and Saint Paul. Although this district is now experiencing a rapid growth and is destined to be the choice residential section of these cities, the College is still away from the distractions and temptations of city life. There are no saloons or other places of temptation in the vicinity. The location is favorable for study, for the development of a pure and wholesome college life, and for careful supervision of the conduct of students. Easy access to these cities, however, is afforded by the Grand Avenue and Snelling Avenue electric lines—the latter of which connects with all four interurban electric lines. This combination of college and city life is a unique advantage to Macalester students. The cultural opportunities which the public libraries, churches, lecture courses and musical entertainments of these cities offer, are important and react most beneficially upon both faculty and students.

Campus.

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue, a fine

CARNEGIE SCIENCE HALL

boulevard two hundred feet in width, which connects the Twin Cities. The College buildings, eight in number, are situated on the north half of the campus, while the ample athletic field, grove of oaks and ice skating rink occupy the southern half.

Buildings and Equipment.

The Main Building is of brick, one hundred feet long and fifty feet wide, three stories high with basement, containing class rooms, society halls, men's gymnasium, library, reading room, auditorium and executive office. The building is heated by steam and provided with its own electric light plant.

The Library contains about twelve thousand five hundred volumes, most of them classified on the Dewey system. The department of bound periodicals at present contains about thirteen hundred volumes. The Neill collection includes rare works in Puritan and Colonial history and theology, and in early American travels, together with examples of fifteenth and sixteenth century printing and valuable autograph letters. For greater security this collection is now located in the museum room in Science Hall.

A large room on the third floor affords excellent accommodations for both Library and Reading Room. It is open every school day during the college year from eight until five o'clock and on Saturdays and holidays from two to five o'clock.

Seventy current periodicals are on file in the Reading Room and in the department libraries of Science Hall.

There is set apart each semester, for maintenance of the Library and Reading Room, one dollar of every tuition fee.

Henry L. Moss, a former trustee of the college, at his death in 1902 left his property for the support of

the Library, subject to life use by Mrs. Moss. The income from this bequest is this year four hundred dollars.

The Bible Training department has received for books about fifty dollars, the gift of friends.

The firm of Reed & Stem, St. Paul, contributes one hundred dollars annually for an alcove of art and architecture.

The alcove of economics receives twenty-five dollars annually from Mr. F. A. Hodgman of New York City, in memory of his mother, Mary Hurlbut Hodgman.

Annual gifts or permanent funds are desired for other alcoves—especially for education, political science, natural science, and biography.

The Library is conducted on approved modern lines of helpfulness by a trained librarian, who gives his entire time to the work. As associate professor of bibliography, the librarian gives systematic instruction to the incoming classes in the care and use of books. It is planned to enlarge this instruction in the near future. It is believed that in efficiency this library ranks high among college libraries.

The Carnegie Science Hall is a three story building with a full height basement. It is essentially fire proof, being constructed of reinforced concrete and brick. The exterior is of colonial brick with trimmings of Bedford limestone. The floors are of maple over reinforced concrete except those of the halls which are of cement with terrazzo borders. The interior finish and furniture are of birch. The basement contains a wood shop and a metal shop for manual training. The first floor is devoted to physics and mineralogy; the second to biology, mathematics and astronomy; and the third to chemistry. The entire building is electrically lighted and steam heated. Ventilation is of the most approved type. Pure air passes into the basement over

WALLACE HALL. WOMEN'S DORMITORY

steam coils and is driven through the building by electric fans. In the attic another fan draws out the foul air. Electrical connections are provided in all of the lecture rooms for both direct and alternating currents for projection as well as for general demonstration and lectures. Light is abundant and well directed. For its size and purpose this building has no superior.

The Men's Dormitory is a three-story brick building, ninety feet long by thirty-eight feet wide. The second and third floors contain twenty double rooms designed to accommodate two students each. The rooms are furnished with plain, substantial furniture, are well lighted and thoroughly comfortable. This hall is for men exclusively. The building is heated with steam, and lighted with gas. Students must care for their own rooms or arrange with some one to do so.

Wallace Hall is a new building for women, situated at the corner of Summit and Macalester avenues, and so arranged that sunlight falls into every room. In addition to the students' rooms there are elegant parlors, a dining room that seats one hundred, and a large gymnasium in the basement. The classes for the physical training of women are held here. It is heated by steam, lighted by electricity, has hot and cold water in every room, shower and tub bath facilities. It accommodates eighty students. The whole building has every modern appointment and is absolutely fireproof. It is believed that no building of its kind west of Chicago can approach it or be compared with it in plan and equipment. Choice of rooms will be given in order of application.

Edwards Hall is a substantial three-story dormitory for men, on Macalester Avenue, one block south of the college. It is named after W. C. Edwards, of St. Paul, through whose liberality it was erected. It

furnishes accommodations for twenty-two men, and sets tables for forty. The students in this building form a club and manage the boarding department under a matron and other officers of their own choice, subject to the general supervision of the faculty.

Eutrophian Hall is a frame dormitory at the corner of Summit and Snelling avenues. It is heated by a furnace, lighted by gas, and accommodates twenty-five men. It has bath room, lavatory and toilet facilities. The kitchen and dining room are managed on the co-operative plan by the Eutrophian Hall Club. The rooms are furnished similarly to those in the men's Brick Dormitory. This building is under student government.

Euthenian Hall, corner of Lincoln and Snelling avenues, is a commodious and attractive dormitory, leased by a club of men and under the management of its officers. It lodges twenty students and has dining room facilities for twenty-five.

Music Hall.—The School of Music has its offices in Wallace Hall, but uses for practice work, a special building which faces the campus, and contains sixteen rooms heated by steam and lighted by gas.

Heat, Light and Power Plant.—A central plant containing two boilers, an engine and a dynamo, supplies the Main Building, the Men's Dormitory and the Science Hall with steam heat, electric light and power.

Shaw Field.—Provision for the encouragement and development of outdoor athletics has been made by the construction of the Thomas Shaw Athletic Field. This contains four acres of the campus lying directly south of the main building and is inclosed by an iron fence. A quarter mile track twelve feet wide with turns on a hundred foot radius is one of the important features of the field. This track is on a dead level and has a foundation of coarse cinders five inches deep on top of

which is a layer of fine surfacing cinders two inches deep. The part of the field inclosed by the track is laid out as a football and baseball field and also provides room for an outdoor basketball field. The whole area within the track is perfectly level and with the exception of the diamond is seeded down with a special mixture of lawn grass seed which will stand the rough usage athletic fields naturally receive.

On the east side of the field between the fence and the track lies an elevated strip about thirty feet wide along which a series of bleachers is being constructed. These are to be in units having a seating capacity of about five hundred each. The first of these which is already built is completely inclosed underneath, providing room for the storing of the field equipment and for ticket offices.

The track in front of the bleachers has straight extensions at the corners which provide a straightaway track for all the short races, while just inside the curb the proper settings are provided for the pole vault, the running and broad jump and the discus throw.

Shaw Field which was dedicated at the opening of the school year in 1909 was named in honor of Prof. Thomas Shaw, President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

The college buildings with their furnishings, laboratory equipment, library, together with the campus, are conservatively valued at $362,000.

Administration.

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to guard well their honor and that of the institution, and to maintain a wholesome esprit de corps.

Some regulations, however, are necessary, and when students matriculate it is understood that they thereby submit themselves to the government of the college and pledge themselves to support the same while they are members of the institution. They are expected, and, by virtue of their matriculation as students of the institution, are understood to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, daily morning prayers, and Sunday morning service, and to be diligent in preparation of all tasks assigned.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The dormitories are organized on the self-government plan under adequate faculty co-operation. A College Council, composed of student and faculty representatives, voices student opinion and cultivates student self-control. No finer tribute can be paid Macalester's students than this—that after four years of experiment both faculty and students regard student self-government as a gratifying success.

Religious Activities.

The Christian Associations of the college are large and active. The Y. M. C. A. has a membership of about forty students. It holds its regular meeting every Tuesday evening. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students. The president of this association is Oscar Westerlund.

The Y. W. C. A. has this year increased its membership to seventy-five. Its regular meeting is held every Tuesday evening. There is also a flourishing mission-study class. The president of the association is Jessie E. Fisher.

Literary Societies.

In the college there are four literary societies under the general oversight of the faculty. Hyperion and Eulogian societies admit to membership both men and women; Athenaean Society admits men and Clionian Society women.

In Baldwin School, the Parthenon Society is open to all students.

No literary society or other student organization may be established without the consent of the faculty.

Oratorical Association.

This association seeks to promote an interest in Oratory. The interests of the college in the state association are under the control of this association. By means of a preliminary contest it selects one member to represent the college at the state oratorical contest. A. E. Nelson took first place in the last local contest.

Debating Board.

This Board is composed of three representatives from the faculty and one representative from each literary society and each class of the college. It has charge of all matters relative to debating. A triangular league has been organized this year consisting of St. Olaf College, Fargo College and Macalester. Each college has one affirmative and one negative team, which debates the same question, on the same date, one debate being held at each college. Macalester's teams, chosen from preliminary contests, are: Affirmative—L. H. Watkins, B. P. Holt and H. G. Bosley; negative—W. E. Scott, Lloyd Gillmore and P. E. Sargent. The affirmative team debated Fargo at Macalester, the negative team, St. Olaf at St. Olaf. The question was, "Resolved that the United States government should establish a central bank."

A series of inter-society debates has also been held among Hyperion, Clionian, Athenaean and Eulogian on the question, "Resolved that St. Paul should have a commission form of government."

Department Clubs.

French.—This is composed of interested students in the department of French and meets each month for improvement in the French language and literature. Readings, recitations, songs, games and plays, all in French, constitute the programs.

Pedagogy.—This is an organization of students interested in the advancement of pedagogic training. Students in the Education department and those who have had actual experience in teaching are eligible to membership.

Prizes and Scholarships.

Noyes Prize.—Mrs. D. R. Noyes has given $1,000 the interest on which is used as prizes for student scholarship. To this the Trustees this year add $50. Last year the senior prize was awarded to Marjorie L. Hanson, the junior to Marion B. Jones and the sophomore to Vera M. Zimbeck.

Stringer Prize.—Through Mr. E. C. Stringer of St. Paul, the College is able to offer an annual prize of twenty-five dollars, to be given to that student of the College, who, having not less than fourteen recitations a week, takes the first place in the preliminary oratorical contest mentioned above, and represents the college in the state contest. Awarded last year to Fred F. Carson.

Shaw Scholarship.—Given by Prof. Thomas Shaw of St. Paul, to the nominee of the Central Presbyterian Church of St. Paul, yielding $50 per annum.

Silliman Scholarship.—Offered by Mr. H. B. Silliman of Cohoes, N. Y., and yielding $50.00 per annum. Awarded this year to Del Laughlin.

Williams Brothers' Scholarship.—Louis H. and Charles R. Williams of Minneapolis have given $1,000, the income from which is for the aid of a student selected by the Faculty.

Webb Scholarship.—Mr. E. A. Webb has given $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church of St. Paul.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry.

Honorary Scholarships of $42.00 each are offered annually in approved high schools and academies to the student having the highest standing in scholarship among the young men of the graduating class and to the student having the highest standing among the young women of the class.

Physical Training and Athletics.

Athletics and careful physical training are encouraged, and three dollars of the tuition fee for each semester are set apart for the support of athletics. Students are thereby entitled to admittance to all athletic contests and to the use of the gymnasium and skating rink. The athletic field is enclosed, and contains about four acres. There are a number of lawn tennis courts. A large skating rink has been provided in the midst of the oak grove at the south of the campus, and has been very popular. Classes in physical training are conducted for young women in the gymnasium of Wallace Hall. Attendance is required of freshman. A trained coach for gymnasium and field sports for men is provided. The physical director is a regular member of the Faculty.

Examinations and Reports.

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester. Quarterly reports are made of Baldwin School students. If these are not received the fact should be reported to the Registrar.

Students who fail in term grade or in both the regular and delinquent examinations, must take the subject again in class.

For private and delinquent examinations a fee of fifty cents shall be paid for each examination to the Secretary of the Faculty, who shall thereupon issue a permit. Private examinations will be authorized by the Faculty only, and for the most urgent reasons stated in writing.

Examinations for delinquents will be held on the second Monday after the first Wednesday of each semester at 2:20 p. m. Attendance upon these examinations is obligatory.

Degrees.

Graduates from the Classical course receive the degree of B. A.; those from the Scientific course the degree of B. S.

No student shall be entitled to graduate who shall not have been attending the College at least one year.

Teachers' Bureau.

The college maintains a reliable teachers' bureau as a means of communication between graduates and superintendents and school boards desiring competent teachers. Graduates will not be recommended to positions for which they do not give good evidence of fitness. This service is given without charge. Those de-

siring to make inquiry in regard to teachers should address The Teachers' Bureau, Macalester College, St. Paul, Minn.

Publications.

The following publications are issued from the college:

The College Catalogue, which is one number of **The Macalester College Bulletin,** an eight page monthly paper devoted to the advertisement and advancement of the institution.

Junior Annual, a yearly publication devoted to college interests, published by the junior class of the college.

Self-Support.

Students desiring to do something towards defraying their own expenses can usually find some way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way through college, provided the long summer vacation is improved to increase his income.

The Y. M. C. A. employment bureau has been organized to assist students in finding work. There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the new-comer is cheerfully made. Address all communcations to Chairman Employment Committee, Macalester College, St. Paul.

Telephone.

The college may be reached by the Northwestern Telephone, Midway 486. The President's residence, Dale 2450, Wallace Hall, Midway 535, Eutrophian Hall, Midway 171, Men's dormitory, Midway 320, Edward's Hall, Midway 2175, Euthenian Hall, Midway 1259.

Expenses

Students' fees are paid at the beginning of each semester, before completion of registration and strictly in advance, as follows:

	College.	School.
Tuition, Regular student	$25.00	$21.00
Special student (8 hours or less)	15.00	
Special student (10 hours or less)		13.00
Special fees—		
Biology	3.00	1.50
Physiology	1.50	1.50
Chemistry	5.00	5.00
Physics	2.50	1.00
Geology	1.00	
Shop Work	4.00	3.00
Homemaking	1.00	
Mechanical Drawing	.50	
Commercial	.50	.50
Diploma	5.00	3.00

No deductions are made except for sickness lasting a month or more.

Refunding Tuition.—If a student leaves the institution at any time after entrance without the approval of the faculty or because he has been suspended or dismissed, no money is refunded. Those withdrawing for other reasons, on or before the middle of a semester, will be allowed an equitable percentage on tuition paid.

Special Rates.

1. Sons and daughters of ministers of any denomination are allowed a rebate of eight dollars each semester.

2. All candidates for the ministry of whatever church or denomination, are allowed a rebate of eight

dollars each semester, upon the following conditions:

(1) Candidates for the Presbyterian ministry shall be under the care of Presbyteries, and shall present to the treasurer certifications to this fact from the clerks of the Presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(2) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated in the event of their abandoning their purpose to enter the ministry.

The above concession, though made at a great sacrifice to the college, is offered cheerfully and with the purpose of enhancing, as far as possible, the usefulness of the college. It is, however, justly expected of those who are thus helped that they will be faithful in promoting, as far as in their power, the welfare of the institution and that they will complete their course of study at this institution.

3. When more than one person from the same family attend college at the same time a rebate of $4.00 on college tuition fee and $3.75 on school tuition fee will be allowed to each person after the first. This rule does not apply to those receiving other privileges or rebates.

Rooms and Board.

All room rent and board items to be paid in advance each month, otherwise rooms must be vacated.

Edwards Hall (for young men)—Board, per week, average	$3.00 to 3.40
Room rent, per week	.35
Light and heat, per week, estimated	.25
Eutrophian Hall (for young men)—Board, per week	$3.00 to 3.40
Room rent, per week	1.00

A monthly rental is charged the clubs for the use of dining room and kitchen.

Wallace Hall—Board, per week 4.00
Room rent, per week, including light and heat, two in a room, each .....$1.25 to 2.00
Men's Dormitory—Room rent, with light and steam heat (inner rooms), two in a room, each, per week ..... .75
Corner rooms, two in a room, each, per week 1.00
Students rooming in the Men's Dormitory board at Edwards Hall, Eutrophian, Uta Ota, Euthenian, or in private families.
Private Families.—Board, per week.....$3.50 to $4.00
Room rent, per week..... .75 to 1.00

Each student in the College dormitories is required to deposit $2.50 (including deposit for key) as a guarantee against damage to college property, and to make it up to that amount at the opening of each semester thereafter. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done in dormitories by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave the dormitory.

Rooms.

(1) Furniture.—All rooms in men's dormitories are furnished with bedsteads (two-thirds size), mattresses, pillows, dresser stand, bowl, and pitcher, study-table, book-shelves and three chairs. Students in the dormitories must provide their own bed clothing, towels, napkins, and carpets or rugs. In Wallace Hall there are single iron beds, mattresses, pillows, dresser, study-table, two rockers, two study chairs, a lavatory with hot and cold water, steam heat and electricity. Floors are of hard wood.

(2) Application.—Application for room in the dormitories should be made as early as convenient to the President, enclosing $1.00, which will be applied on room rent. Applicants should state in which hall they desire a room. Rooms will not be held later than the

opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come, the money advanced will not be returned. Rooms will be assigned in the order of application.

No deduction is made for vacations during school year. Students are charged for their rooms till they are formally vacated—whether continuously occupied or not—and keys surrendered.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Students who are in arrears at the end of any semester will be refused credits for the semester's work until all bills incurred by them have been paid; also future registration will be denied and no class work allowed until settlement satisfactory to the treasurer has been made.

Registration.

Students are required to register by the beginning of each semester. A fine of twenty-five cents a day will be levied in case of tardy registration, unless remitted by the matriculation committee for satisfactory reasons, fines being imposed after the first day of commencement of classes.

A student who has failed in more than half the work of the first semester, counted by hours, may not register for the second semester.

The prospective student will facilitate registration by procuring from the College an application blank on which his principal or superintendent should fill in the student's credits. This blank should be mailed by the proper school authority to the Registrar by the first of September.

Order of Registration.

(1) Upon arrival at the college students proceed to the office and inquire for the Dean of the College, or the Principal of Baldwin School.

(2) They then fill out their entrance cards and arrange their subjects with the Dean or Principal and pass to the Accountant and pay all their tuition, special, music and other fees, and board and room rentals for the first month.

(3) The Registrar then gives them their registration card entitling them to enter their various classes.

COLLEGE OF LIBERAL ARTS.

Courses of Study.

The College of Liberal Arts embraces the following general courses:

1. The Classical Course, leading to the degree of B. A.

2. The Scientific Course, leading to the degree of B. S.

On entrance, the student makes choice of one of the above courses. Thereafter, deviation from the course chosen must be with the approval of the Faculty upon written application, stating reasons.

A total of 126 credits is required for graduation.

The following courses are required for both the B. A. and B. S. degrees:

(1) 16 credits of subjects listed under the Bible Training department. Philosophy 3 and Apologetics are required. At least 1 hour a week must be taken throughout the course.

(2) 6 credits in English 1.

(3) 8 credits in Social and Political Science 1, 3.

(4) 8 credits in Philosophy 1 and 2.

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38 credits required of all.

In the Classical Course, the following subjects, in addition to the above, are required for graduation:

(1) Latin, five years, four of which may be taken in high school or academy.

(2) Greek, German or French, four years, two of which may be taken in high school or academy.

(3) 12 credits in group III.

In the Scientific Course, the following subjects, in addition to the above, are required for graduation.

(1) 8 credits in Mathematics 1 and 2.

(2) Two years of a modern language in the college course unless student presents three units of a

modern language, or two units of a modern language and two units of another foreign language from high school or academy.

(3) In addition to the major, the student must have 18 credits from two departments of group III.

All freshmen must select one of the following courses:

Classical Course.	Scientific Course.
Bible.	Bible.
English 1.	English 1.
Latin 1.	Mathematics 1 and 2.
Greek, German or French.	Latin, Greek, German or French.
Elective, 4 hours.	Elective, 4 hours.

Each student must elect before the beginning of the sophomore year, aside from the 38 credits listed above, one major and two minors from the fourteen following departments:

GROUP I.

1. English.
2. Latin.
3. Greek.
4. German.
5. French (minor only).

GROUP II.

1. Bible.
2. Philosophy and Education.
3. Social and Political Science.
4. History.
5. Expression (minor only).

GROUP III.

1. Mathematics and Astronomy.
2. Chemistry.
3. Physics (including shop 2 or 3 for major).
4. Biology.

A major consists of 20 credits in one department.

For B. A. degree, the major must be from groups I or II.

For B. S. degree, the major must be from group III.

A minor consists of 12 credits in one department. At least one minor must be in a different group from the major. The minors are subject to the approval of the adviser and of the Dean.

The requirements in regard to majors and minors will go into effect with the present freshman class and are made optional for the advanced classes.

Each candidate for a degree shall be required to file with the librarian before April first preceding graduation an original thesis on some subject connected with his major, which thesis must be approved by the head of the department in which the major is taken. The subject of the thesis shall be selected before the beginning of the second semester of the junior year.

No credit will be given for one-half year's work in one year courses unless some distinct phase of the subject is completed and the head of the department approves.

The term **credit**, used in the following pages means one semester-hour, the equivalent of one hour recitation a week for one semester.

For information on courses offered, see the Particular Description.

The College does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar.

Preparation for the Study of Medicine.—The work in Biology and in Chemistry (three and seven and a half years in the laboratory respectively) furnishes rare preparation for those who intend to study medicine.

Preparation for the Study of Law.—The required and elective studies in Political Economy and Social Science and the electives in Forensic Oratory and Constitutional History offer an admirable course to those who are preparing for law. Students, who, while pursuing certain studies in college, wish also to take up the study of law, find excellent opportunity of doing so in connection with the St. Paul Law School, which

gives all its lectures in the evening in the City Hall, but twenty-five minutes' ride from the college.

Preparation for Teaching.—Attention is called to the courses in Education open to students who intend to teach. The College seeks especially to meet the needs of such. The courses in Psychology and Philosophy are thorough and extensive and relate themselves closely to Education. It is expected to supplement the class-room work with lectures by teachers of large experience. A course is now offered in laboratory shop work. This course affords those who are intending to teach science an excellent opportunity for practical experience and preparation.

Preparation for the Christian Ministry.—The Bible training department and the electives in Greek Testament, Ethics and History offer a course unusually well adapted to those who have the gospel ministry in view. Those, too, who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

Senior Electives in Professional Schools.—Students intending to study for some profession, who are obliged to shorten their course in preparation, may in the following manner save one year while still obtaining their degrees. After completing three years of the college course and being enrolled for the fourth year, they may take the first year of a professional course in any school approved by the faculty, in place of the work of the senior year. This will be permitted subject to the following conditions: first, the required studies of the college must be completed in every case; secondly, a certificate must be presented from the professional school, showing the successful completion of the work of the first year in that school.

Partial Courses.—Students who are not looking forward to a degree may be admitted to select courses for which they have sufficient preparation.

Admission from High Schools and Academies.—Students from accredited four-year high schools and academies are admitted to the freshman class without condition, provided that credits to the amount of fifteen units are presented. By a unit is understood four or five recitation hours of not less than forty minutes each, carried for a year of thirty-six weeks. Students from unaccredited high schools and academies have their credits evaluated by the Dean and the heads of departments. Students coming with excess units, for which they desire credit on their college work are referred to the heads of departments for the evaluation of the excess work. In no case is more than half time allowed for such courses.

No college credit will be allowed on any subject taken in high-school or academy except after examination given by the college instructor in the department to which the subject belongs.

All credits from other institutions, for which the student wishes credit in this institution must be presented at the time of registration. Credits presented later from other institutions will not be considered.

Applicants for admission to the freshman class should apply to the Registrar for the Applicant's Admission Blank, which should be taken to the principal of the high school or academy in which their courses were taken, and by him officially filled out and mailed to the Registrar. Students should not bring this blank with them, but have it filled out and sent on at any time in the summer. Compliance with this rule prevents delays and greatly facilitates registration.

A student submitting thirteen and a half units will be admitted as freshman, conditioned, and may make up deficiencies in Baldwin School. Unconditioned freshmen, who may lack certain preparatory studies necessary for the courses they wish to pursue, may take these studies in Baldwin School without extra

charge for tuition. A five hour course so taken counts for four hours on the college course. Students intending to take the B. A. degree are advised to present not fewer than ten units in following subjects:

English 3.
Latin 4.
Algebra 1½.
Geometry 1½.

Also of the following, enough to aggregate five units.

History 1 or 2.
German 1 or 2.
Greek 1 or 2.
French 1 or 2.
Chemistry 1.
Botany ½ or 1.
Physics 1.
Civics ½.
Physiology ½ or 1.
Zoology ½ or 1.
Physical Geography ½ or 1.
Manual Training ½ or 1.

Those wishing to take the B. S. degree are advised to present not fewer than nine units in the following subjects:

Mathematics 3.
English 4.
German 2.
Physics or Chemistry 1.

Also of the following, enough to aggregate six units:

Botany ½ or 1.
History ½, 1 or 1½.
Zoology ½.
French 1 or 2.
Manual Training ½.
Physiology ½.
Greek 1 or 2.
Physical Geography ½ or 1.
German 1 or 2.
Civics ½.

Students who are preparing to enter Macalester College and wish more definite suggestion respecting the course of preparatory study they should follow, will find a course similar to the following well suited to their needs:

For the B. A. degree.	For the B. S. degree.
Composition and Rhetoric 2 units.	Composition and Rhetoric 2 units.
Literature 2 units.	Literature 2 units.
Algebra 1 or 1½ units.	Algebra 1½ units.
Geometry 1 or 1½ units.	Geometry 1½ units.
Latin 4 units.	Latin 2 units.
Greek or German 2 units.	German 2 units.
History and Civics 2 units.	History and Civics 2 units.
Natural Science 2 units.	Natural Science 2 or 3 units.

Candidates for Advanced Standing.—Students coming from reputable institutions of collegiate grade should present letters of dismissal and are then given standing in Macalester College, allowing a fair equivalent on the course here for work done elsewhere.

Faculty Advisers.—The Faculty has recommended that six of its heads of departments be appointed by the Board of Trustees as Faculty Advisers. To one of these six professors every student is assigned, at the beginning of his sophomore year, according to the major subject selected. The adviser arranges the course of study in accordance with the vocation the student has in view; is available for advice at a fixed office hour each week; notes the student's progress in class; and reports on each individual in his group to the Dean at the end of the semester. The aim of this system of advisers is vocational direction, timely warning to laggards, more intensive and consistent courses, closer and more friendly supervision.

Particular Description.

BIBLE TRAINING DEPARTMENT.

On the John C. Martin Foundation.

Professors Wallace, Davis, McRae and Anderson.

This department has two objects: First, to provide a well graded course of instruction in the Bible for all the students of the various classes. This emphasis on the study of the Bible is justified on the ground that it contains the message of Him who spoke the words of eternal life, who was himself the way, the truth and the life, because of its pure and lofty ethics, its social teachings, its unequaled literature, its influence on our own literature and law, and the value of its history. Second, to offer a substantial course of religious instruction for young men and women who wish to prepare themselves for some form of Christian activity as lay-workers. The church is entering on the era of the laity. Christianity is girding itself for the conquest of the world. Her call for workers is louder and more engaging than ever before. Her field is ripe for lay-workers of every kind, for missionaries and missionary teachers, for mission helpers, charity workers, pastors' assistants, secretaries in the Young Men's and Young Women's Associations, Bible readers, colporteurs and the like. To these classes of lay-workers the theological seminaries are not open. Besides, a training in the knowledge and use of the Bible is best secured in connection with the regular courses of study offered by the college, since to special students of this department is available instruction in other necessary branches such as general literature, elocution, music, etc.

The courses in this department embrace the following:

1. **The Life of Christ.**—This is studied by means of a harmony of the gospels. By way of introduction, attention is directed to the political and religious condition of the time and to the characteristics and view point of the gospel writers. By discriminating discussion of the teachings of Christ and a realistic presentation of the facts and incidents of his life an effort is made to deepen personal faith in Christ as the Savior of men and to bring the student into appreciation of Jesus as the master teacher of all time. Required, freshman, first semester two hours a week, two credits; elective, second semester, two hours a week, two credits.

2. **The Missionary Labors of the Apostles.**—These studies are based on the Acts of the Apostles and in part on the New Testament Epistles. The external and internal growth of the early church is carefully traced and the whole movement is viewed as a continuance of the work of Christ through the agency of the Holy Spirit and of His inspired apostles. Required, sophomore, one year, one hour a week, two credits.

3. **Prophets of Israel.**—This course consists of a thorough study of the prophets; their place in the community, their functions and their messages. It is pursued inductively from the Bible text with the object of acquainting the student as fully as possible with the foreshadowings of the Christ. All the Messianic passages are carefully analyzed with reference to their historical background and in the order of their development. One year, two hours a week, four credits.

4. **The Literary Study of the Bible.**—This course includes a careful study of the Bible, viewed as literature. The rhetorical characteristics of the Hebrew language and the various literary forms of the Bible are closely examined. This done, various parts of the Bible best illustrating these forms and characteristics are

critically studied and drawn out in their proper literary form. As sound literary criticism is based on a thorough study of the thought and thought-connections, the literary study of the Bible proves in practice a very valuable aid to interpretation. It is for this reason, especially, that it is included in the course. The text book used as a basis is Moulton's Literary Study of the Bible, and special study is made of the book of Job, certain of the Psalms and selections from the prophets. Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

5. The Social Teachings of the Bible.—This course includes a survey of the social teachings of Christ, the apostles, the prophets and the Mosaic code. The object is to form a just estimate of the social message of the Bible and to apply, as far as may be, its social principles to the solution of current social problems. It is based mainly on Josiah Strong's Studies in Social Christianity, supplemented by wide collateral reading in the works of Raushenbush, Peabody, Mathews, Schench, Brace, Keble (collection of lectures) and other works that seek to interpret and apply the social message of Christianity. Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

6. Inter-Testament History.—This course is intended (1) to trace the history of the Jews from Malachi to John the Baptist under the Persians, Greeks, Maccabees and Romans; (2) to trace the rise of the various Jewish sects. A knowledge of the outward political fortunes of the Jews, as well as the movement of Jewish thought in this period is of great importance for an intelligent understanding of the ministry of Christ and His apostles. Prerequisite, courses 1 and 2. First semester, two hours a week, two credits. Alternate years.

7. Oriental History contemporary with the Old

Testament.—This course includes (1) a study of the history and religion of Babylonia, Assyria and Egypt; (2) the relation of this material to the explication of Old Testament history. The course is based on the histories of Winckler, Rogers, McCurdy and others. Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits. Alternate years.

8. **Biblical Pedagogy.**—This course includes: (1) a study of Jesus as a teacher—a careful consideration of the question what made Him the Master Teacher of all time—His mastery of the technique of educational methods as illustrated in the four Gospels; (2) methods of Bible study, teaching and of Sunday school work; (3) the influence of Christianity on the world's education. It is based mainly on the Master and His method (Griffith-Jones), Jesus as a Teacher (Hinsdale), The Making of the Teacher (Brumbaugh), Teacher Training with the Master Teacher (Beardslie), supplemented by lectures. One semester, two hours a week, two credits.

9. **Review of Old Testament History.**—This is offered to college students who have had little or no opportunity of pursuing a consecutive study of Old Testament history before entering college. The object is to make a somewhat hasty review of Hebrew history from the conquest of Palestine under Joshua, down to the fall of Jerusalem, or a more careful study of such parts of this history as the class may prefer to pursue. One semester, two hours a week, two credits.

10. **Hebrew.**—The object of this course is to prepare students for advanced work in this subject as soon as they enter the seminary. The work embraces a thorough study of Genesis 1-8, including the grammatical principles of the language, acquisition of a good vocabulary, translation of English into Hebrew. One year, three hours a week, six credits.

11. **Advanced Hebrew.**—In the second year a criti-

cal study is made of one or more minor prophets including text, grammar, exegesis and history. Prerequisite, course 10. One year, two hours a week, four credits.

12. Apologetics.—This course aims chiefly at three things.

First, a brief exposition of Christian theism and an exhibition of its superiority in philosophy and in practice to the various opposing theories; deism, pantheism, materialism and agnosticism.

Second, a summary of the argument for historical Christianity and an examination of criticisms and objections, especially those of our own day.

Third, a rapid survey of the field of comparative religions with special reference to Hinduism, Buddhism, Zoroastrianism and Confucianism. First semester, three hours a week, three credits.

13. The Philosophy of Religion.—This course is supplementary to the course in apologetics. It aims to exhibit and defend a philosophic conception in harmony with the Christian religion. Prerequisite, course 12. Second semester, three hours a week, three credits.

For other studies embraced in the Bible Training Department see:

Greek Testament, under Greek.

Ethics, under Mental Sciences and Philosophy.

The Reformation Period, under History.

Old and New Testament Biography and History, in Baldwin School.

If requested by not less than five students an elective will be offered one hour a week through the year following the international Sunday school lessons. The aim of the elective is, (1) to study the setting of the lesson, (2) make careful analysis of the materials, (3) discuss the pedagogical teaching of the lesson.

BIOLOGY.

A large part of the second floor of the Carnegie Science Hall is devoted to biology. The main laboratory is at the north end of the building and accommodates thirty students at a time. In the courses offered, each student is furnished a microscope, necessary apparatus and suitable material, and is encouraged to do original investigation with suggestions from laboratory directions as an aid. The object of the methods used is to cultivate the powers of observation and deduction, as well as to give the student a thorough knowledge of structure, comparative anatomy, comparative physiology and present day views as to biological problems.

The research laboratory is equipped with a large electrical oven, a rotary and sliding microtome for cutting sections, and the more common reagents and stains for histological work. A very fine microscope with a mechanical stage and oil immersion lens is available for demonstrations. The prepared slides are being made as fast as good material and time will permit.

In the stockroom, models of different structures and illustrative material assist in the presentation of the work. An advanced laboratory contains a large aquarium together with other equipment for the work.

1. **Botany.**—A course in comparative botany, beginning with the lowest forms and finishing with a brief study of the flowering plants, together with a short course in practical field work. One year, six hours a week, eight credits. Not offered 1912-1913.

2. **Zoology.**—A study of comparative zoology, from the protozoa through the vertebrata. Laboratory work includes a study of typical forms of each class. One year, six hours a week, eight credits.

3. **Physiology.**—General physiology, including a brief study of anatomy, physiology, and hygiene, with

particular reference to the human body. Lectures, text and laboratory work. Prerequisite, course 2 or equivalent. One year, three hours a week, six credits.

CHEMISTRY.

The department of chemistry occupies the third floor of Carnegie Science Hall. The large south room is used for general chemistry and qualitative analysis. In the north end are two rooms; one is for organic chemistry and quantitative analysis and the other is a lecture room. The balance room is equipped with five good analytical balances and two others for coarser weighing. A combustion room has the necessary furnaces for combustion work. The research laboratory is used for special work with spectroscope, polariscope, refractrometer, etc. The chemical library is kept in the office. The apparatus and chemicals necessary for thorough work in the courses offered are furnished. The laboratories are equipped with hoods, supply tables, cabinets and desks with water and gas. Special attention is given to a scientific method of observation and interpretation of results. Each student is required to make a complete and systematic record of all his investigations.

1. General Inorganic Chemistry.—The course includes a thorough study of the principal elements and their compounds, their occurrence in nature, preparation in the laboratory, etc.; also an introduction to the study of qualitative analysis. One year, six hours a week, eight credits.

2. Advanced Inorganic Chemistry.—This is a continuation of course 1, with an introduction to physical chemistry. Prerequisite, course 1. One year, five hours a week, six credits.

3. Qualitative Analysis.—Lecture and laboratory

work, including the detection and separation of the metals and the identification of the acids. The last few weeks of the year are spent in the analysis of specimens of rock and earth. Instead of this, the student may make a study of materials used as paint pigments and the methods used in paint analysis. Prerequisite, course 1. One year, five or seven hours a week, six or eight credits; or second semester, eleven hours a week, six credits.

4. **Quantitative Analysis.**—Lecture and laboratory work. This includes an introduction to the gravimetric and volumetric analysis and a study of the methods of determination of atomic weights. Prerequisite, courses 1 and 3. One year, five or seven hours a week, six or eight credits.

5. **Organic Chemistry.**—A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils, explosives, etc., is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 6 is also taken. Prerequisite, course 1. One year, two hours a week, four credits.

6. **Laboratory Course in Organic Chemistry.**—To be taken with or upon completion of course 5. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 5, when possible. One year, four hours a week, four credits.

7. **Advanced Organic Chemistry and Qualitative Organic Analysis.**—This course is a continuation of courses 5 and 6. The detection of common food adulterants will receive attention. Prerequisite, courses 1, 2, 3, 5 and 6. One year, five hours a week, six credits.

8. Food Analysis.—Milk and butter analysis receive special attention. Prerequisite, courses 1, 3 and 4. One year, four hours a week, four credits, or one semester, eight hours a week, four credits.

9. Water Analysis.—Prerequisite, courses 1, 3 and 4. One semester, five hours a week, three credits.

10. Teachers' Course.—This course is designed for those who intend to teach chemistry. They are given practical work in the laboratories, instructing students beginning chemistry, preparing solutions, etc. A course of lectures is given on the teaching of chemistry. Prerequisite, courses 1 and 3. One year, two or four hours a week, two or four credits. No fee is charged.

Other courses, assaying, gas analysis, iron ore, etc., will be offered in the near future.

EDUCATION.

1. History of Education to Modern Movements.—The history is taken up from the earliest times and the course of educational theory and practice is followed among the Greeks, Romans, the medieval peoples, and down to the middle of the Eighteenth Century. Open to all students who have 32 credits. It is recommended, however, that students take a course in European history along with this course, if they have not already taken such a course. First semester, three hours a week, three credits.

2. History of Education in the Modern Period.—The course begins with Rousseau. It includes, not only the modern psychological, scientific and sociological movements in education, but also a survey of the modern state systems of education; their organization, curricula, methods, tendencies and results. Prerequisite, Course 1. Second semester, three hours a week, three credits.

3. **Principles of Education.**—A course given in three parts:

(1). **The Teacher and the Class.** This includes among other things the following important topics: class management, teaching to study, the curriculum, the physical nature of the pupil and the art of teaching.

(2). **Organization and Administration.** An examination of the structure of our schools and of their working, from the viewpoint of the teacher. Following a brief presentation of the organization, administration and supervision of schools generally, a more detailed study of secondary school administration is made.

(3) The course concludes with the philosophy of education, which is intended to unify and correlate the results of the work of the whole department and to enable the student to form clear and rational judgments respecting the instruments, methods, uses and ultimate ends and values of education.

Open to all who have completed or are now taking Philosophy 1 and 2. One year, three hours a week, six credits.

For further courses in Education, see the various departments of instruction in the College; and, further, all courses in the department of Mental Sciences and Philosophy.

ENGLISH.

1. **Rhetoric.**—The course in rhetoric is intended to cultivate the taste and to develop the critical power of the student; to train him in accurate observation and thinking and to the use of clear, forcible and elegant English. It includes the following: Theory and practice in the making of abstracts and plans, especially in exposition and argumentation; constructive studies in characterization, the short story, the essay, the ballad and the sonnet. Throughout the course emphasis is laid on practice rather than theory, with a view to pre-

pare the student for practical journalistic work. Required, freshman, one year, three hours a week, six credits.

2. **American Literature.**—Lectures and critical reading of selected authors; themes on assigned reading. Prerequisite, course 1. First semester, three hours a week, three credits.

3. **Old and Middle English.**—A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry; Orm, Layamon and other Middle English texts, including Chaucer. Prerequisite, course 1. Second semester, three hours a week, three credits.

4. **English Literature.**—The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1700. Spenser, Shakespeare and Milton are extensively read and discussed. Prerequisite, course 1. One year, three hours a week, six credits.

5. **The Drama in England** from the Miracle Plays to the closing of the theaters in 1642. Special attention will be given to the writings of the minor dramatists of the Elizabethan period. Prerequisite, courses 1 and 4. First semester, three hours a week, three credits.

6. **The Drama in England** from 1642 to 1900. While the course deals chiefly with the English drama, attention will be given to other literatures. Prerequisite, courses 1, 4 and 5. Second semester, three hours a week, three credits.

7. **History of Literary Criticism.**—A study of the principles governing literary composition. Prerequisite, courses 1 and 4. First semester, three hours a week, three credits.

8. **Browning and Tennyson.**—A comparative study.

Prerequisite, course 1, 4 and 7. Second semester, three hours a week, three credits.

9. The English Novel.—Its rise and development. Prerequisite, courses 1 and 4. First semester, three hours a week. Alternate for course 5. Not offered 1912-1913.

10. Anglo Saxon, Beowulf.—Prerequisite, courses 1 and 3. Second semester, three hours a week. Alternate for course 6. Not offered 1912-1913.

11. English Literature from 1765-1892. The study will include English and Scottish popular ballads and the writings of Burns, Wordsworth, Coleridge, Keats, Shelley, Byron and Scott. A substitute for course 10 at the option of the professor. Second semester, three hours a week, three credits.

12. Argumentation.—This course is designed to teach sound methods of thinking and clear, convincing expression as applied to public questions. A careful study is made of analysis, brief-drawing, proof, forms of arguments, fallacies, refutation and formal debates. The text is: Wm. Trufant Foster's Argumentation and Debating. This is supplemented by actual practice in analyzing specimens of arguments, by construction of briefs, by argumentative writing and by formal debates, prerequisite, course 1. One year, two hours a week, four credits.

EXPRESSION.

1. Elocution and Voice Training.—(1) Theory. The principles underlying the art of expression and literary interpretation.

(2) Practice. Deep breathing. Correction of voice faults and mannerisms. Factors of expression. Analysis and interpretation of the classics. Reading and speaking. One year, three hours a week, four credits.

2. Action.—Sir Chas. Bell's Anatomy and Phil-

osophy of Emotions. Physical presentations of emotions including facial expression, gestures and attitudes. Platform work and original presentations. Prerequisite, course 1. One year, three hours a week, six credits.

3. **Shakespeare and Modern Drama.**—Dramatic interpretation. Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

FRENCH.

The object of this course of study is to give pupils a good general, practical knowledge of the language so that they may be able to converse in French and have a good appreciation of the literature.

1. **Elementary French.**—In the first year the aim is to give a thorough grounding and drilling in grammar—with exercises in translation, conversation and pronunciation. In the second semester the reading of some easy work in prose is begun. One year, four hours a week, eight credits.

2. **Prose Reading.**—This course is composed largely of readings in prose works by modern authors, with a light review of the author and his works, as each work is taken up. Composition and conversation are also part of the work. Prerequisite, course 1. One year, three hours a week, six credits.

3. **French Classics.**—This year includes the reading of modern authors and some classics; composition and syntax. Works of Hugo, Corneille, Moliere, Racine. Prerequisite, course 2. One year, three hours a week, six credits.

4. **History of French Literature.**—The fourth year is given to the history of French literature with readings from many authors, and conversation and composition. Prerequisite, course 3. One year, three hours a week, six credits.

GEOLOGY.

A general course in dynamic, structural and historical geology. In connection with and as a part of structural geology a short lecture course is given in mineralogy to familiarize the student with the elementary principles of the subject. Le Conte's Elements is made the basis of the year's work, and in addition to the lectures and laboratory work each student is required to do a certain amount of field work and to make an identified collection of the most important rocks and fossils of this locality. An elementary course in chemistry is required. One year, three hours a week, six credits.

GERMAN.

Elementary, intermediate and advanced courses are offered. A thorough, systematic study of German will not only enable the student to speak and write it, but make the use of it in scientific research of the great authors, and in his professional and business career a delight.

1. **Elementary.**—Grammar, composition, easy reading from several readers, memorizing of small poems, and conversation. One year, four hours a week, eight credits.

2. **Intermediate.**—Grammar reviewed, selections from Stern, Goethe, Schiller, Heine, Wildenbruch, Mosher, Allen and others, composition and conversation. One year, four hours a week, eight credits.

3. **Advanced.**—Classic dramas of Goethe's Faust, Schiller's Wilhelm Tell, Lessing and others, composition, conversation. One year, four hours a week, eight credits.

4. **Romantic School.**—Selections from Lessing, Kleist, Tieck and others, with composition. First semester, three hours a week, three credits.

5. Classic Prose.—From the Reformation, between Luther and Lessing's time, composition. Second semester, three hours a week, three credits.

6. Epic Poetry.—Selections from Goethe's Hermann and Dorothea, Scheffel, Freytag and others, composition and material for conversation. First semester, three hours a week, three credits.

7. Lyric Poetry and the Modern Novel.—Selections from the leading authors. Second semester, three hours a week, three credits.

8. History of German Literature.—Lectures, essays, and readings. First semester, three hours a week, three credits.

9. Teachers' Course.—Grammar, composition, prose, conversation. One year, two hours a week, four credits.

10. Middle High German.—Grammar and readings from Middle High German literature. Second semester, three hours a week, three credits.

GREEK.

The general aim in this department is to learn to read Greek readily, to become acquainted with the Greek people as revealed in their great creations in history, oratory, philosophy, poetry and art and to arrive at a just estimate of the contribution of the Hellenic race to human progress.

1A. Grammar.—A study of the elements of the language. Drill in form, vocabulary, syntax and composition, preparatory to the Anabasis. One year, four hours a week, eight credits.

2A. Anabasis.—A thorough syntactical study and reading of four books of Xenophon's Anabasis with prose composition and sight translation. One year, four hours a week, eight credits.

1. **Xenophon or Lucian.**—The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war; or Lucian's Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age. First semester, four hours a week, four credits.

2. **Homer or Herodotus.**—The Iliad, Books I-IV in literary and grammatical study; or Herodotus, stories, and selections from Book VII, with a careful consideration of accidence and syntax of the Ionic dialect. Second semester, four hours a week, four credits.

3. **Athenian Orators.**—Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure. Prerequisite, course 2A. First semester, three hours a week, three credits.

4. Plato.—The Apology and Crito. Socrates and his teachings, with readings from Xenophon's Memorabilia. Prerequisite, course 2A. Second semester, three hours a week, three credits.

5. **The Drama.**—Selected plays of Aeschylus or Euripides and Aristophanes. Rise and development of tragedy and comedy. The Greek theatre and production of plays. Prerequisite, courses 1, 2, 3 and 4. First semester, three hours a week, three credits.

6. **English Course in Greek Literature.**—Studies in the elegiac, lyric and dramatic poets of Greece, for students having no knowledge of Greek. Prerequisite, 52 credits. First semester, two hours a week, two credits.

7. **The Odyssey.**—Selections from Books I-XII. Sight reading. Literary study of the whole poem from the English translations of Palmer and of Butcher and

Lang. Prerequisite, courses 1, 2, 3 and 4. Second semester, three hours a week, three credits.

8. **Lyric Poetry.**—Selections from the elegiac and lyric poets. Prerequisite, courses 1, 2, 3 and 4. Second semester, two hours a week, two credits.

9. **The Greek Testament.**—This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek. The aim is to master a good working vocabulary, the main characteristics of New Testament Greek and to get some practice in Greek exegesis. The work is based mainly on the Acts of the Apostles and some of Paul's Letters. Prerequisite, 52 credits. One year, two hours a week, four credits.

HISTORY.

Courses 1 and 2, offered in alternate years, are open to freshmen and to upper classmen who have not taken these or similar courses.

1. **European History.**—From 31 B. C. to the close of the fifteenth century. A suitable textbook, sources, and documents form the basis of the work. Collateral reading and topical reports are required. At the end of the year the student must present a thesis on some subject related to the course. One year, four hours a week, eight credits.

2. **English Constitutional History.**—This is a study of the political and constitutional development of England from the Norman Conquest until 1688. The required textbooks are Gardiner's Student History of England, White's The Making of the English Constitution, and Adams' and Stephen's source-book. Collateral reading and a thesis are required. One year, four hours a week, eight credits. Not offered 1912-1913.

The following courses are open to those who have completed 1 or 2 or equivalents.

3. **The Reformation Period.**—This course covers the Pre-Reformation, the Protestant revolt, and the history of Europe to the Peace of Westphalia. A textbook will be used, but special attention will be given to topical reports. A thesis is required. First semester, three hours a week, three credits.

4. **The French Revolution.**—This course covers the French Revolution proper and the period of European wars until the overthrow of Napoleon in 1815. The method of study is the same as in course 3. Second semester, three hours a week, three credits.

5. **American History.**—Beginning with the American Revolution this course extends to 1829. First semester, three hours a week, three credits. Not offered 1912-1913.

6. **American History.**—From 1829 to the present time. Second semester, three hours a week, three credits. Not offered 1912-1913.

7. **American Colonial History.**—Beginning with the earliest settlements in the colonies this course aims to trace the development of these institutions and forces which brought about the independence of the colonies. First semester, three hours a week, three credits.

8. **The Westward Movement.**—This course traces the westward extension of the United States and the economic and political development incident to this expansion. Prerequisite, courses 5, 6 and 7. One year, three hours a week, six credits. Not offered 1912-1913.

9. **Modern European History.**—From 1815 to the present time. Special attention is devoted to the industrial evolution of this period. Second semester, three hours a week, three credits.

HOME MAKING.

The aim of these courses is to start the student in the right way to become mistress of the business of home making.

1. **The Home.**—Evolution of the modern home from primitive conditions. Its object. Selection of site with regard to climate, soil, drainage and neighborhood. Location of house with regard to exposure and distribution of light. Elementary study of architecture in connection with planning a house and plans that meet the requirements, comfort and convenience of the family for which the house is intended. Lectures, problems and recitations. First semester, two hours a week, two credits.

2. **Domestic Hygiene.**—Systems and methods of ventilation, heating and lighting. Water and water tests of the household. Plumbing. Care of the house and household belongings. Prerequisite, course 1. Second semester, two hours a week, two credits.

3. **Household Art.**—The furnishing of the house from the standpoint of good taste and economy. Value of form, color design and material in furnishing. Textiles. The study of cotton, linen, flax and wool and the manufacture of each. Color schemes and designs in papering, hangings and rugs. First semester, two hours a week, two credits.

4. **Social Culture.**—Study of forms and customs which should be known and observed in community life. The meaning and value of true hospitality. Second semester, two hours a week, two credits.

LATIN.

1. **Freshman.**—Livy, selections from books I., XXI., and XXII.; Cicero de Senectute; Terence. In this course the aim is to fix the student's knowledge of

grammatical forms and syntax and by constant drill and prose composition to familiarize him thoroughly with fundamental principles and enlarge his vocabulary. Prerequisite, four years work in Latin equivalent to the course in Baldwin School. One year, four hours a week, eight credits.

2. **Sophomore.**—Pliny's Letters; odes, satires and epistles of Horace; Germania or Agricola of Tacitus; a tragedy and a comedy. This course offers a wider range of reading than is found in the more intensive advanced courses, 3-7. A thorough knowledge of forms and syntax is presupposed. More time is spent on literary content and style. In connection with the works of Horace a thorough study is made of his life, literary art and prosody. Throughout the course are noted the conditions in the Roman literary world and the various phases of life and politics under the Empire. Prerequisite, course 1 or its equivalent. One year, three hours a week, six credits.

3. **The Latin Drama.**—(a) Plautus, (b) Terence, (c) The Senecan Tragedies. A study of representative plays with lectures and topical work on the sources and treatment of material, the social conditions illustrated, the theatre, actors and spectators. One year, two hours a week, four credits.

4. **Ethics.**—(a) Lucretius and Epicurean philosophy; (b) Seneca,—Stoicism. This course consists of the reading and interpretation of the text of Lucretius with a study of his philosophy and its sources; also the dialogues of Seneca with a study of Stoicism in Rome. One year, three hours a week, six credits.

5. **The Silver Age.**—Examination of the language, character of thought, social and political conditions. Private life of the Romans. (a) Annals of Tacitus; (b) Juvenal. One year, three hours a week, six credits.

6. **Grammar and Composition.**—A course in advanced composition and a study of prose style and of grammatical rules and principles. One year, two hours a week, four credits.

7. **Teachers' Course.**—This course is designed to prepare students to teach the Latin of secondary schools. Its aim is to make the grammar of the language thoroughly familiar; to secure by practice the ability to give idiomatic translations of Latin authors; to familiarize the students with the political and social conditions of the Roman Empire. Aside from its pedagogic purpose this course aims to widen the student's point of view by an insight into a civilization which has exerted such a profound influence on our modern literature, language and institutions, and so give him a grasp of the continuity of history and the evolution of the race. Students in this course will be required to teach classes in Baldwin School occasionally under the instructor's supervision. (a) A systematic review of grammar and prose composition supplemented by lectures on Latin style. Selections of Books I to V of Gallic War are translated. (b) Three orations of Cicero and two books of Vergil's Aeneid form the basis of translation work. Lectures and papers on Roman political and social institutions supplement class work. The quantitative method of reading Latin verse will form an important part of the work in Vergil. One year, three hours a week, six credits.

Prerequisite for courses 3 to 7, courses 1 and 2 or course 1 completed with a grade of 90.

MATHEMATICS AND ASTRONOMY.

1. **Higher Algebra.**—Graphic representation of a function, ratio and proportion, variation, theory of quadratics, progressions, series, etc. First semester, four hours a week, four credits.

2. **Trigonometry and Analytic Geometry.**—An attempt is made to give the student a clear understanding of trigonometric functions, developed of formulae and their application to the solution of problems, plane and spherical. This is followed by a brief course in analytic geometry, sufficient for elementary courses in physics and astronomy. Second semester, four hours a week, four credits.

3. **Analytic Geometry.**—This is a continuation of course 2. Equations of straight lines, and the principal curves and their tangents are discussed by both rectilinear and polar co-ordinates. Prerequisite, course 2. First semester, three hours a week, three credits.

4. **Differential and Integral Calculus.**—A brief study of the principles of differential calculus based on theory of limits, followed by a short course in integral calculus. Prerequisite, course 3. Second semester, three hours a week, three credits.

5. **Advanced Calculus.**—Continuation of course 4. One year, three hours a week, six credits.

6. **Surveying.**—Prerequisite, course 2. Second semester, three hours a week, three credits.

7. **Advanced Algebra.**—Intended especially for those preparing to teach. Prerequisite, course 1. One year, three hours a week, six credits.

8. **Astronomy.**—Text-book, lectures and practical work with sextant, transit and clock. Prerequisite, course 2. One year, three hours a week, six credits, not offered 1913-1914.

9. **Mechanical Drawing.**—A course designed for those taking shop work or preparing for technical schools. One year, four hours a week, four credits.

THE MENTAL SCIENCES AND PHILOSOPHY.

1. Logic and Scientific Method.—A course in logic, deductive and inductive. Special attention is given to logical definition and division, the syllogism, detection of fallacies and the analysis of fallacious reasoning, the use of hypothesis, analogy and probability, the methods of scientific experiment and verification. Abundant exercises are supplied to fix principles and develop ability in the use of them. Required in all courses. Open to students having 32 credits. First thirteen weeks of the school year, four hours a week, three credits.

2. Psychology.—An introductory course covering the main features of normal human psychology:

(1) A brief introduction in experimental work, intended to accustom the student to introspective study and to give him an insight into the methods of modern psychological investigation. One credit.

(2) A survey of the more prominent aspects of the conscious life. This part opens with a synopsis of the nervous mechanism and is followed by a consideration of the sensations, perceptions, affections, memories, judgments, etc. The work is carried on by means of text-book, collateral readings, lectures, observations by the student, and experiment. During the present year an honor course, covering the same general ground but requiring a more intensive study, is offered as an incentive to scholarship. Four credits.

Required in all courses. Open to students who have completed course 1. The last twenty-three weeks of the school year, four hours a week, five credits.

2A. Advanced Psychology.—A course designed to study more exhaustively certain problems suggested in course 2, in the domain of comparative and educational psychology. The psychology of animals, of races and of society are taken up; then the mental life of child-

hood and adolescence; and, finally, the bearing of the science upon education, business and professional life are studied. Prerequisite, course 2. Students, not having course 2, may be admitted after conference with the instructor, in which they demonstrate ability to handle the subject. One year, three hours a week, six credits.

3. **Ethics.**—This course begins with an historical sketch of ethical theories and of the conceptions of life that have been held. Next, the psychological facts and the philosophy of ethics are investigated in order to gain an adequate basis for ethical theory. Finally, the problems of practical ethics are taken, particular consideration being given to certain of them which are now occupying the thoughts of men. The attempt is made in this course to develop a system of thought that does justice to Christian motive and doctrine and is, at the same time, based upon a proper scientific and philosophical basis. A required study in all courses. Open to students who have completed, or are taking, course 2 and who have 104 credits. Second semester, three hours a week, three credits.

4. **History of Philosophy. Ancient and Medieval.**—Beginning with the early Greeks, this course follows the course of philosophic thought down to the period of Bruno, with the purpose of noting the development and relationships of the chief philosophical concepts. Attention is concentrated upon the leading thinkers and on the movement of thought. Collateral readings in Plato and Aristotle are required. Open to seniors and juniors; also to sophomores who have a standing of 90 or more. First semester, three hours a week, three credits. Not offered 1912-1913.

4A. **History of Philosophy, Modern.**—Continuing the preceding: from Bruno to the present time. The course requires extensive collateral readings. Elective,

on the same terms as the preceding course. Second semester, three hours a week, three credits. Not offered 1912-1913.

5. Introduction to Philosophy.—A course aiming to exhibit the great problems of philosophy in a systematic way, and, further, to formulate some positive views in respect to the answers to these problems. Open on the same terms as course 4. First semester, three hours a week, three credits.

5A. Modern Philosophy.—The course given under this heading will deal usually with either metaphysics or the theory of knowledge, taking the work of some prominent modern philosopher as a basis. The particular work will be decided after conference with the class. Some work or works of Lotze, James or Bergson are suggested for next year. Open on the same terms as course 4. Second semester, three hours a week, three credits.

PHYSICS.

The Physical Laboratories occupy practically the entire first floor of the Carnegie Science Hall. There are two large laboratories, one for general physics and the other for electricity. Each of these has a smaller laboratory adjoining for special research work. In connection with this department there is in the basement a shop equipped with special tools for the production of apparatus for research work. The laboratories and equipment are completely modern and contain a number of special features facilitating and strengthening the work in these courses.

A lecture room, a recitation room, an office, a dark room and general storage rooms, together with a photometry room and a battery room which are located in the basement, complete the provision made for physics and afford a splendid opportunity for those students who desire to specialize along these lines.

The following courses are offered:

1. **Short Course.**—This is a short course which covers the entire subject in one year. Demonstrations in connection with the lectures are substituted for a considerable amount of the individual laboratory work that is done by the student in the long course, and some of the more technical features of the subject that are not of general importance are omitted. The aim is to offer a thorough year's work in the general principles of physics to those who are taking courses which will not permit them to take the regular long course in the subject. It is recommended only to those who are taking classical or literary courses, or a two year course in preparation for some school of medicine. Prerequisite, Mathematics, course 2. One year, six hours a week, eight credits.

2. **Mechanics, Sound, Heat.**—This course includes a thorough study of mechanics, sound and heat. A large part of the time is spent in laboratory work and the student's conceptions of physical laws are developed as largely as possible from observation and experiment. About forty quantitative experiments are performed by each student in the laboratory, the aim being to afford a working knowledge of modern measuring instruments of precision and to develop quantitative methods, as well as to discover and verify the laws of nature. Careful attention is given to the problem of the errors in measurement, the student being required in each case to consider the origin of the errors and methods for their elimination and to compute the probable errors of observations and results. Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits.

3. **Electricity and Light.**—This course includes a thorough study of electricity and light. Forty experiments are performed, thirty-five of which are in elec-

tricity, giving the student an opportunity to familiarize himself with electrical measuring instruments. The work in light includes measurements with the photometer, spectrometer, and interferometer. Prerequisite, course 2. One year, six hours a week, eight credits.

Courses (2) and (3) together constitute what is termed the long course in physics and are designed especially to meet the needs of students taking a scientific course. These two courses, together with shop work 2, afford excellent preparation for teaching physics in secondary schools.

SHOP WORK.

The basement of Carnegie Science Hall is devoted to shops. These shops are well lighted and ventilated, having full length windows and a high ceiling. The woodshop occupies the large room in the north wing and has adjoining it a finishing room for staining, filling and varnishing. The south wing contains a laboratory shop connected with the physics department and a metal shop which has adjoining it a forge and grinding room which is also equipped with a crucible furnace and moulding sand for making small castings. Believing that a modern education should lead to some appreciation of the world of mechanics as well as the world of literature, art and science, the following courses are offered to all college students:

1. General Shop Course.—This is essentially a general culture course in the applied mechanical principles. The work covers; a study of the principles involved in modern methods of wood-working and the use and adjustment of wood-working tools; a study of the principles involved in working the various metals, and of metal-working tools. The work in metals includes soldering, brazing, forging and the casting of brass and aluminum. For the latter work simple patterns are made in the pattern shop which, with the setting

and pouring, introduces the student to the general principles underlying foundry work. The development and transmission of power, including steam and gas engines, water power, dynamos and motors is given considerable attention. The study of the mechanical principles is illustrated by practical exercises involving their application to modern methods. The object is to lead the student to an appreciation of the modern mechanical world, its methods and processes. One year, five hours a week, six credits.

2. **Laboratory Shop Course.**—This course is specially designed for students who are preparing to teach science. It includes a study of the design and construction of various forms of apparatus adapted to demonstrations and laboratory work in high schools and academies; the construction of a number of pieces of apparatus and the determination of their errors; demonstration with the above pieces before the science classes in Baldwin School; visits to high school and college laboratories of the Twin Cities. Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits.

3. **Manual Training Teachers' Course.**—This course is designed for students who are preparing to teach manual training. It includes a short study of the history and development of the manual training idea in education; the development of a progressive set of exercises each one of which must be executed and submitted for criticism accompanied by a paper explaining the object of the exercise, the connection with preceding exercises and the points that will appeal to the pupil's interest and stimulate creative thought; the conducting of a number of exercises in the manual training department of Baldwin School; visits to manual training and other shops in the Twin Cities. Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits. Not offered 1912-1913.

SOCIAL AND POLITICAL SCIENCE.

1. **Sociology.**—Under this head are included the history, various theories and principles of sociology. Important aims are, to show the extent of the field, to arouse an interest in the study and to help to correct methods of sociological investigation. A standard text-book is used, but the systems of sociology as presented in Spencer, Ward and others are presented and discussed. First semester, four hours a week, four credits.

2. **Sociology.**—The time will be devoted to a more detailed study of the history of Sociology, the theories of Giddings, and to original inductive studies. Prerequisite, course 1. First semester, three hours a week, three credits.

3. **Political Economy.**—A general survey is taken of the history, theories and generally accepted principles of Political Economy. A standard text-book such as Gide is used, supplemented by collateral studies in Adam Smith, Mill, Ricardo, Walker, articles in cyclopedias, etc. Second semester, four hours a week, four credits.

4. **Political Economy.**—In the elective course substantially the same ground is covered, but more attention is given to the historical development of the science and to the application of sound principles to current economic questions. Prerequisite, course 3. Second semester, three hours a week, three credits.

5. **History of Civil Government.**—The State, by Professor Wilson, is used as a text-book, with collateral study of constitutions. The aim is to trace clearly the great and distinctive features in the government of the leading European nations. Prerequisite, course 3. First semester, three hours a week, three credits.

6. **International Law.**—A brief course in the out-

lines of this important subject offered to meet the interest arising from our wider international relations. Prerequisite, course 3. Second semester, three hours a week, three credits.

7. **Roman Law.**—Morey's Outlines of Roman Law is used. The object is to make the student acquainted with (1) the origin and development of Roman law; (2) its relation to modern systems of jurisprudence. Prerequisite, course 3. First semester, three hours a week, three credits.

8. **Financial History of the United States.**—An historical study of public revenues and expenditures, of public debts and of currency and banking in the United States. Special attention is paid to government reports. The work by Professor D. R. Dewey is used as a text-book. Prerequisite, course 3. Second semester, three hours a week, three credits.

9. **Elements of Jurisprudence.**—Holland's "Jurisprudence" is used as a text-book. The general subjects considered are Laws and Rights, Private Law and Public Law, the object being to acquaint the student with the principles of fundamental law in their historical development and practical application in every phase of social life. Second semester, three hours a week, three credits.

FREE HAND DRAWING.

A course including out-door sketching, flower design in India ink, study of perspective, charcoal drawing from cast, sketching from life, leather work as a craft. One year, four hours a week, four credits.

By permission of the Faculty this course in free hand drawing is offered by Miss Mabel Jackson, a student of the Chicago Art Institute and of the St. Paul Art Institute.

PHYSICAL TRAINING FOR WOMEN.

Theory—Personal Hygiene.—Short talks on the functions of the skin, the physiologic effects of water, hot and cold; bathing; care of the face; care of the hair, the hands, the feet; care of the mouth and teeth and their relation to good digestion; over-eating and intestinal indigestion; fresh air; ventilation of bed rooms; care of the ears, throat and nose; deep breathing; the foot and the shoe; dress.

Practice.—Gymnastics:

1. Corrective exercises.—Walking, standing and sitting. Elementary work in stall bars, Indian clubs, bar bells, and bounding balls.
2. Parallel bars, ladder and incline rope.
3. Folk dancing.

Required, freshmen, one year, two hours a week, two credits upon the completion of Biology 3.

DOMESTIC SCIENCE.

The St. Paul Y. W. C. A. offers a course of thirty-three lessons on dietetics and practical cooking, to be distributed weekly throughout the college year, at a cost of twenty dollars. The registration of ten students is necessary to insure a class. Any student who elects this course is allowed two credits in college work.

MACALESTER COLLEGE, SCHEDULE OF CLASS HOURS, FIRST SEMESTER, 1912-1913.

	8:00 to 9:00	9:00 to 10:00	10:20 to 11:20	11:20 to 12:20	1:20 to 2:20	2:20 to 4:20
Monday	Bible 12 French 1 German 1 Greek 1 Soc. & Pol. Sci. 1	Bible 2A German 3 Latin 7 Philosophy 1	Education 3 English 4 French 3 German 2 Greek 2A Latin 2 Mathematics 3 Shop 1	Biology 3 English 8 Expression 1A Expression 1B French 2 German 4 History 1 Philosophy 2A Soc. & Pol. Sci. 5	Bible 1A Expression 3 History 7 Mathematics 8 Physics 1*	English 1B Home Making 3 Latin 3 Physics 2* Physics 3*
Tuesday	Bible 3 Bible 5 Chemistry 5 French 1 German 1 Greek 1	Chemistry 1B English 1A Expression 2 German 9 Mathematics 1 Philosophy 1 Physics 2	Bible 4 Chemistry 1A English 2 History 3 Latin 1 Mathematics 3 Philosophy 6 Shop 3	Biology 3 English 8 Expression 1B History 1 Philosophy 2A Physics 1	English 5 Greek 1A Home Making 1 Mathematics 8 Shop 3	Biology 2* Education 1 English 7 German 3 Latin 3 Latin 7 Shop 1* Shop 3*
Wednes.	Bible 12 French 1 German 1 Greek 1 Soc. & Pol. Sci. 1	Bible 2B Mathematics 1 Philosophy 1	English 2 German 2 Geology Greek 2A Greek 9 Latin 1 Soc. & Pol. Sci. 5	Biology 2 Chemistry 3 Education 3 English 4 Expression 1A Latin 2 Physics 3	Bible 1B English 5 Greek 1A History 7 Home Making 3 Physics 1 Shop 1*	Education 1 English 1B German 3
Thursday	Bible 5 Bible 12 German 3 Soc. & Pol. Sci. 1	Bible 3 Chemistry 5 Education 3 English 1A French 3 German 2 Greek 9 Mathematics 1 Physics 3	Chemistry 1A Geology Greek 2A History 3 Latin 1 Mathematics 3 Philosophy 6	Biology 2 Chemistry 1B English 8 Expression 1B French 2 German 4 History 1 Philosophy 2A	Bible 1A English 5 Greek 1A History 7 Home Making 1 Latin 2 Mathematics 8	Education 1 English 7
Friday	French 1 German 1 Greek 1 Soc. & Pol. Sci. 1	English 1A Expression 2 German 9 Mathematics 1 Philosophy 1 Physics 2	Bible 4 English 2 Geology Greek 2A History 3 Latin 1 Philosophy 6	Biology 3 Expression 1A French 2 German 4 History 1 Soc. & Pol. Sci. 5	Bible 1B Expression 3 Greek 1A Latin 3 Physics 1*	Biology 2* English 1B English 4 French 3 Latin 7 Physics 2* Physics 3*

MACALESTER COLLEGE, SCHEDULE OF CLASS HOURS, 1912-1913.
Class Hours Begin as Follows:

Subject	Monday	Tuesday	Wednesday	Thursday	Friday
Bible 1, Sec. A	1:20			1:20	
Bible 1, Sec. B			1:20		1:20
Bible 2, Sec. A	9:00				
Bible 2, Sec. B			9:00		
Bible 3		8:00		9:00	
Bible 4		10:20			10:20
Bible 5		8:00		8:00	
Bible 12	8:00		8:00	8:00	
Biology 2		2:20*	11:20	11:20	2:20*
Biology 3	11:20	11:20			11:20
Chemistry 1, Sec. A		10:20		10:20	
Chemistry 2, Sec. B		9:00		11:20	
Chemistry 3			11:20		
Chemistry 5		8:00		9:00	
Education 1		2:20	2:20	2:20	
Education 3	10:20		11:20	9:00	
English 1, Sec. A		9:00		9:00	9:00
English 1, Sec. B	2:20		2:20		2:20
English 2		10:20	10:20		10:20
English 4	10:20		11:20		2:20
English 5		1:20	1:20	1:20	
English 7		2:20		2:20	
English 8	11:20	11:20		11:20	
Expression 1 A	11:20		11:20		11:20
Expression 1 B	11:20	11:20		11:20	
Expression 2		9:00			9:00
Expression 3	1:20				1:20
French 1	8:00	8:00	8:00		8:00
French 2	11:20			11:20	11:20
French 3	10:20			9:00	2:20
German 1	8:00	8:00	8:00		8:00
German 2	10:20		10:20	9:00	
German 3	9:00	2:20	2:20	8:00	
German 4	11:20			11:20	11:20
German 9		9:00			9:00
Geology			10:20	10:20	10:20
Greek 1A		1:20	1:20	1:20	1:20
Greek 2A	10:20		10:20	10:20	10:20
Greek 1	8:00	8:00	8:00		8:00
Greek 9			10:20	9:00	
History 1	11:20	11:20		11:20	11:20
History 3		10:20		10:20	10:20
History 7	1:20		1:20	1:20	
Home Making 1		1:20		1:20	
Home Making 3	2:20		2:20		
Latin 1		10:20	10:20	10:20	10:20
Latin 2	10:20		11:20	1:20	
Latin 3	2:20	2:20			1:20
Latin 7	9:00	2:20			2:20
Mathematics 1		9:00	9:00	9:00	9:00
Mathematics 3	10:20	10:20		10:20	
Mathematics 8	1:20	1:20		1:20	
Philosophy 1	9:00	9:00	9:00		9:00
Philosophy 2A	11:20	11:20		11:20	
Philosophy 6		10:20		10:20	10:20
Physics 1	1:20*	11:20	1:20		1:20*
Physics 2	2:20*	9:00			{9:00 {2:20*
Physics 3	2:20*		11:20	9:00	2:20*
Shop 1	10:20	2:20*	1:20*		
Shop 3		{10:20 & {1:20,2:20*			
Soc. & Pol. Sci. 1	8:00		8:00	8:00	8:00
Soc. & Pol. Sci. 5	11:20		10:20		11:20

* Periods marked with asterisk are two hours in length; otherwise sixty minutes.

Laboratory hours in Chemistry must be selected in addition, so as not to conflict with remainder of student's schedule.

BALDWIN SCHOOL.

Accredited to the North Central Association of Colleges and Secondary Schools.

Faculty.

JOHN PORTER HALL, A. B., Principal.
Greek and History.

JAMES WALLACE, Ph. D.
Bible.

DAVID NEWTON KINGERY, A. M.
Mathematics.

RICHARD URIAH JONES, A. B.
Chemistry.

HUGH STUART ALEXANDER, A. M.
Physics and Manual Training.
GRACE BEE WHITRIDGE.
English.

FARQUHAR DAVID McRAE, Ph. D.
History.

GERTRUDE CRIST.
Commercial Studies.

FRANKLIN WATERS PLUMMER, A. B.
Biology and Physical Geography.

MAY GIBSON, A. M.
Latin.

HAROLD OMER BURGESS, A. B.
Latin.

FRANK DICKEY SCOTT, A. B.
English.

CHARLES BREMICKER, A. B.
German.

ELIZA MARGARET LOW, A. M.
Mathematics.

General Information.

Historical Sketch.

Baldwin School was founded in 1853. In 1864 Baldwin University was chartered and in connection with this university it was provided to establish an academic department to be known as Baldwin Grammar School. When Macalester College was incorporated in 1874 the amended charter provided "That the preparatory department of said Macalester College shall be known as the Baldwin School." The prospectus of Macalester College published in 1885 merely mentions a preparatory course. In the catalogue for 1885-6 reference is made to a preparatory course but none to Baldwin School as such. In the catalogue of 1890 the preparatory school is referred to as Baldwin School and reference is made to the provision of the charter. In the minutes of the Board of Trustees in 1890 it is ordered that hereafter the academy shall be designated as Baldwin School. The catalogue for 1891-2 says Preparatory Department and under it Baldwin School. This holds true for the next three years. The catalogue for 1894-5 for the first time speaks of the preparatory department as Macalester Classical Academy, but in a footnote gives the legal name, Baldwin School. Beginning with 1895 the catalogues uniformly describe the academy as Macalester Classical Academy. Such being the facts in the case, historical accuracy and charter provisions require a return to the name Baldwin School.

Admission and Courses.

The purpose of Baldwin School is to give four years of thorough preparation for the standard college courses and to provide a good general education for those who cannot continue their studies further. The educational standards and requirements of Baldwin School have secured for it the right to be accredited to the North Central Association of Colleges and Secondary Schools.

Two courses are offered, Classical and Scientific.

The languages of the Classical Course are Latin, and Greek or German. The Scientific substitutes science for the Latin of the junior and senior years.

Other requirements of both courses are stated in the synopsis of courses of study.

Requirements for Entrance.—Applicants for admission to the freshman class are examined in orthography, elementary English and arithmetic (through proportion), descriptive geography, and United States history. Applicants for admission to higher classes will, in addition to the above, be examined in the studies of the classes below that for which they apply. Credits from approved schools are accepted in lieu of examinations in so far as they represent equivalents, in time and in work, of studies prescribed in the courses of Baldwin School.

Edwards' Prize.

Mr. W. R. Edwards and Mr. B. K. Edwards of St. Paul present, in memory of their father Mr. W. C. Edwards, a gold medal to that member of the senior class who is graduated with the highest standing. This prize was awarded last year to Blanche Hazel Macdonell.

Synopsis of Courses of Study.

Freshman Year.

	1st Sem.	2nd Sem.
Bible	..	(2)
English	(5)	(3)
Latin	(5)	(5)
Mathematics	(5)	(5)
Phys. Geography, Bookkeeping, Shorthand and Typewriting, History, Arithmetic	elect one (5)	(5)

Sophomore Year.

	1st Sem.	2nd Sem.
Bible	(2)	..
English	(3)	(5)
Latin	(5)	(5)
History	(5)	(5)
Mathematics	(5)	(5)

Junior Year.

	Classical		Scientific	
	1st Sem.	2d Sem.	1st Sem.	2d Sem.
Bible	(2)	(2)	(2)	(2)
English	(4)	(4)	(4)	(4)
Latin	(5)	(5)	..	..
Greek / German — elect one	(5)	(5)	(5)	(5)
Mathematics	..	..	(4)	(4)
Mathematics, Chemistry, Biology, Manual Training — elect one	(4)	(4)	..	..
Chemistry, Biology, Manual Training — elect one	..	..	(4)	4)

Senior Year.

	Classical		Scientific	
	1st Sem.	2d Sem.	1st Sem.	2d Sem.
Bible	(2)	(2)	(2)	(2)
English	(4)	(4)	(4)	(4)
Latin	(4)	(4)	..	..
Greek / German — elect one	(5)	(5)	(5)	(5)
Physics, Chemistry, Biology, Manual Training — elect two	..	..	(4)	(4)
Physics, Chemistry, Biology, Manual Training, History and Civics, Com'l Law and Economics — elect one	(4)	(4)	..	..

Classical course must include one year of science.
Figures refer to number of hours per week.

Particular Description.

BIBLE.

The Bible is required of all students in Baldwin School. Being the book of the ages, a knowledge of it is deemed an essential part of a good education and vital to the right development of character. Throughout the course a careful study of the text of the Bible itself, correct methods of analyzing and classifying the material are insisted upon. The students are helped to exercise the historical imagination with a view to revivifying as much as possible the life and scenes of Bible times. Careful attention is given to the geography of the Bible and of Bible lands. In this the classes have the help of the large relief map published by the Palestine Exploration Society of England, also of other up-to-date maps and charts.

Biography.—The time is devoted to Old Testament biography beginning with Abraham, the founder of the Hebrew race, and including the patriarchs, Moses, Aaron and Joshua. Some passages and verses of special excellence are memorized. Freshman, second semester, two hours a week.

Biography.—The study of Old Testament biography is continued and includes some of the judges, Samuel, Saul, David and Solomon. Sophomore, first semester, two hours a week.

History.—The first semester is devoted to a careful study of the reigns of Saul, David and Solomon and of the divided kingdom down to the reign of Hezekiah. Much attention is given Old Testament geography. The second semester is given to a study

of one of the Gospels and to the Principles of Jesus (by Speer). Junior, two hours a week.

History.—The first semester is given to the history of Judah and Israel from the time of Hezekiah to the fall of Jerusalem. Considerable attention is given to the contemporary history of Syria, Assyria and Babylon, and the work, influence and teachings of the great prophets receive consideration. The second semester is devoted to the Gospel history and the elements of New Testament history. Senior, two hours a week.

ENGLISH.

Composition.—The first year is devoted to a study of the elementary principles of composition and to practice in writing. Especial emphasis is placed upon grammatical reviews, punctuation, capitalization, correct usage, sentence and paragraph structure and the elementary principles of narrative and descriptive discourse. Selections for reading and study are taken from the English entrance requirements. The text is Sykes' Elementary Composition. Freshman, first semester, five hours a week; second semester, three hours a week.

Rhetoric.—The text for the second year is Herrick and Damon's New Composition and Rhetoric. The first semester takes up a careful study of vocabularies, good usage, number and choice of words. The second semester studies the application of rhetorical principles to sentences, paragraphs and whole compositions. Weekly practice in composition is held; also, frequent study of the English Entrance Requirements. Sophomore, first semester, three hours a week; second semester, five hours a week.

Analysis and Expression.—The third year's work is essentially a reading and expression course. Careful analysis is required of the masterpieces read in

class. Special emphasis is given to training in articulation, enunciation and public reading. The minor poems of Milton, two plays of Shakespeare and Scott's Lady of the Lake form the basis of study. Junior, four hours a week.

Literature.—The fourth year is devoted to a study of the history of English literature and the reading of short selections from the various authors. Careful attention is given to the historical relations of the different periods in their effect on literature, also the life history of the great English writers, and a brief study of their style. Research and topical reports are frequent, especially in the first semester. The text is Painter's History of English Literature, which is supplemented by brief selected readings from the collection, Twelve Centuries of English Poetry and Prose. Senior, four hours a week.

LATIN.

Latin is a required study throughout the classical course and for the first two years of the scientific. During the time devoted to this study the student is expected to acquire a large vocabulary, a wide knowledge of the rules of syntax, and the ability to convert English into the Latin idiom. These things furnish an indispensable basis for the work pursued in the college classes. Special attention is given to the forms and structure of the language, which are studied by severe methods of both analysis and synthesis. The grammar is thoroughly studied and the memory is helped by a rational explanation of forms.

Lessons.—The first year is spent in the study of the declensions and conjugations, syntax and vocabulary, in making translations daily to and from the Latin and in conversation. Freshman, five hours a week.

Caesar and Composition.—The second year is devoted to careful and thorough study of Caesar and composition. Four books are read. Sophomore, five hours a week.

Cicero and Composition.—The junior year is devoted to Cicero, composition and a more thorough study of the grammar. Six orations are read. Junior, five hours a week.

Virgil.—The senior year is devoted to Virgil. The Aeneid is studied both textually and as literature. Six books are read. Prosody receives careful attention. Senior, four hours a week.

GREEK.

Greek is a required study alternative to German in the classical course.

Lessons.—The aim of this course is to master the elements of the language, six hundred to eight hundred carefully selected Greek words and two or more chapters of the Anabasis. Junior, five hours a week.

Anabasis.—This year is devoted to a thorough reading and syntactical study of four books of Xenophon's Anabasis accompanied by prose exercises and sight reading in the fifth and sixth books. Special effort is made to master a large vocabulary. Senior, five hours a week.

GERMAN.

German is a required study alternative to Greek in the classical course.

First Year.—Joynes-Meissner's Grammar, Anderson's Bilderbuch ohne Bilder, Composition. Junior, five hours a week.

Second Year.—Review of grammar, reading of Daheim, memorizing some of its poems and of Schiller's

Lied von der Glocke, Mosher's Willkommen in Deutschland, Harris' Composition, and conversation. Senior, five hours a week.

MATHEMATICS.

Elementary Algebra.—Fundamental operations of algebra, including fractions, factoring and simple equations. Freshman, five hours a week.

Advanced Algebra.—A review of first year's work and study of progressions, ratio and proportion, quadratics, graphs, etc. Junior, first semester, four hours a week.

Plane Geometry.—Demonstration of propositions and drill in original exercises. Sophomore, five hours a week.

Solid Geometry.—Junior, second semester, four hours a week.

Arithmetic.—See Commercial studies.

SCIENCE.

Physiology.—Text-book and discussions of physiology, hygiene and sanitation, supplemented by as much laboratory work as the limited time will permit. Junior or senior, first semester, four hours a week.

Botany.—A short course, including text-book, laboratory, and field work. Junior or senior, second semester, four hours a week.

Zoology.—Text-book and laboratory work on type forms. Junior or senior, one year, four hours a week. Not offered, 1912-1913.

Chemistry.—A general course in inorganic chemistry including text-book, lectures and laboratory. Junior or senior, six hours a week, four hours credit.

Physics.—This subject includes a thorough elementary study of mechanics, heat, sound, light and

electricity. The ground covered is fairly represented by such texts as Carhart and Chute or Hoadley. Junior or senior, one year, six hours a week, four hours credit.

Physical Geography.—A course of text-book work with a few short expeditions as an aid. Freshman, first semester, five hours a week.

HISTORY AND CIVICS.

The aim of this department is the acquisition by the student of such historical and political knowledge as will be a necessary element in general culture and a solid foundation for further studies in history and government. The method of teaching employed is that of the text-book with assigned topics for investigation.

English History.—From the first invasion of Britain by Julius Caesar to the present time. Freshman, second semester, five hours a week.

Roman History.—From the founding of Rome to the age of Charlemagne. Sophomore, first semester, five hours a week.

Greek History.—This course begins with the earliest times and includes, first, a rapid survey of the ancient oriental civilizations and, second, a more detailed study of Greece and Hellas to the Roman conquest. Sophomore, second semester, five hours a week.

Medieval and Modern History.—Senior, second semester, four hours a week.

Civics.—An elementary study of the different branches of government, local, state and national in this country. Senior, first semester, four hours a week.

MANUAL TRAINING.

The work of this course includes the practical use and care of ordinary hand-tools for wood-working, gluing, staining and varnishing, glass cutting, bending and filing of metals, drilling and soldering. Junior or senior, seven hours a week, four hours credit.

COMMERCIAL STUDIES.

Shorthand.—The system taught is Graham's Standard Phonography. The course covers the entire year; the first six months being devoted to the study of the principles of the system and the remaining time to dictation work. One year, five hours a week.

Typewriting.—The object of the instruction in typewriting is to give the students a correct method of fingering, a uniform touch and to train them in all the details of form and arrangement of transcript. The work includes business letters, the preparation of tabulated statements and the writing of different legal forms. A student pursuing the course in shorthand is required to take typewriting. No credit is given for this course alone. One year, five hours a week.

Bookkeeping.—There is but one set, double entry, to be written up by the student. This begins with the simplest transactions and extends through corporation bookkeeping. The student is made thoroughly familiar with the usual business forms such as checks, invoices, promissory notes, certified checks, endorsements, bills, certificates of deposit, bills of lading, etc. One year, five hours a week.

Commercial Arithmetic.—This course includes a short review of elementary principles and a thorough study of problems in business methods. One semester, five hours a week.

MUSIC.

Credit in music is given students in classical course when work to the amount of one unit is completed.

BALDWIN SCHOOL, SCHEDULE OF CLASS HOURS, FIRST SEMESTER, 1912-1913.

	8:00 to 9:00	9:00 to 10:00	10:20 to 11:20	11:20 to 12:20	1:20 to 2:20	2:20 to 4:20
Monday	Latin 4. Latin 2. Phys. geog. 1. Shorthand 1.	Latin 3. Biology 3 & 4. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. Bible 2. Latin 1, sec. I.	Physics 4. Bible 3. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	
Tuesday	Latin 4. Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Chemistry 3 & 4. Manl. train. 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. English 2. Latin 1, sec. I.	Bible 4. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	
Wednes.	Physics 4. * Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Biology 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 2. Latin 1, sec. I.	Bible 4. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	Manl. train. 3 & 4*
Thursday	Latin 4. Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Biology 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. Bible 2. Latin 1, sec. I.	Physics 4. Chemistry 3 & 4. Mathematics 2. English 1.	Greek 3. German 3. Latin 1, sec. II.	Manl. train. 3 & 4*
Friday	Latin 4. Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Biology 3 & 4. Manl. train. 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. English 2. Latin 1, sec. I.	Physics 4. Bible 3. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	

Hours marked with asterisk are double for laboratory.

BALDWIN SCHOOL, SCHEDULE OF CLASS HOURS, FIRST SEMESTER, 1912-1913.

Subject	Monday	Tuesday	Wednesday	Thursday	Friday
Bible 2	10:20			10:20	
Bible 3	11:20				11:20
Bible 4		11:20	11:20		
Book-keeping	9:00	9:00	9:00	9:00	9:00
Biology 3 & 4	9:00		9:00	9:00	9:00
Chemistry 3 & 4		9:00		11:20	
English 1	11:20	11:20	11:20	11:20	11:20
English 2		10:20	10:20		10:20
English 3	10:20	10:20		10:20	10:20
English 4	1:20	1:20	1:20		1:20
German 3	1:20	1:20	1:20	1:20	1:20
German 4	10:20	10:20	10:20	10:20	10:20
Greek 3	1:20	1:20	1:20	1:20	1:20
Greek 4	10:20	10:20	10:20	10:20	10:20
History 2	9:00	9:00	9:00	9:00	9:00
Latin 1, Sec. I	10:20	10:20	10:20	10:20	10:20
Latin 1, Sec. II	1:20	1:20	1:20	1:20	1:20
Latin 2	8:00	8:00	8:00	8:00	8:00
Latin 3	9:00	9:00	9:00	9:00	9:00
Latin 4	8:00	8:00		8:00	8:00
Mathematics 1	9:00	9:00	9:00	9:00	9:00
Mathematics 2	11:20	11:20	11:20	11:20	11:20
Mathematics 3		8:00	8:00	8:00	8:00
Man. Train. 3 & 4		9:00	2:20*	2:20*	9:00
Phys. Geog. 1	8:00	8:00	8:00	8:00	8:00
Physics 4	11:20		8:00*	11:20	11:20
Shorthand	8:00	8:00	8:00	8:00	8:00

Hours marked with asterisk are double for laboratory.

Laboratory hours in chemistry must be arranged so as not to conflict with remainder of schedule.

SCHOOL OF MUSIC.

Faculty.

HARRY PHILLIPS,

Director. Instructor in Voice Culture.

Certificate from Royal Conservatory of Music, Stuttgart, Germany, 1885-1889. Organist and Soloist in various churches in St. Paul and Minneapolis, 1889-1906. Baritone in Westminster Presbyterian Church, Minneapolis, 1906——. Director and Instructor in Voice Culture, Macalester College, 1895——.

Residence, Minneapolis, 3117 Humboldt Ave. S.
N. W. South 1426.

GEORGE HERBERT FAIRCLOUGH,

Instructor in Piano, Organ, Theory.

Certificate from Royal High School of Music, Berlin, Germany, 1893-1896, under Professors Barth, von Peterson, Ernest, Schelling, Piano; Bargiel and Succo, Theory; Clemens, Organ. Director of Music, Presbyterian Ladies' College, Brantford, Ont., 1891-1893. Organist and Choir Master, St. John's Episcopal Church, and also of Mount Zion Hebrew Temple, St. Paul, 1900——.

Residence, 546 Ashland Ave. N. W. Cedar 5258.

BESSIE A. GODKIN,

Instructor in Piano.

Pupil of C. G. Titcomb seven years. Special work, New York City, two years.

Residence, 1048 Van Slyke. N. W. Dale 2661.

EMILY GRACE KAY,

Instructor in Harmony, Appreciation of Music, Sight-Singing, History, Theory and Public School Music.

Pupil of Ferruccio Busoni. Certificate from the New England Conservatory of Music, Boston, Mass. Theory and History of Music, Louis C. Elson; Harmony, George W. Chadwick and Sarah E. Newman; Solfeggio, Samuel W. Cole. Supervisor of Public School Music with private teaching in Piano, Niles, Michigan, three years. Director of Music, Webb City College, Webb City, Missouri, two years. Director of Music, Greenville College, Greenville, Illinois, six years. Private Teaching in St. Paul since October, 1907.

Residence, 897 Goodrich Ave. N. W. Dale 350.

MILDRED PHILLIPS KINDY, A. B.,

Instructor in Piano.

Pupil of Harry Phillips, C. G. Titcomb, G. H. Fairclough. Graduate of Macalester College School of Music, 1906. A. B. Macalester College, 1910.

Residence, The Ashland. N. W. Dale 9815.

GEORGE A. THORNTON,

Instructor in Violin.

Seven years of Piano, Organ, Harmony and Counterpoint, under F. W. Sykes Mus. Bach. A professional pupil for Violin. Five years at the Leeds College of Music under Edgar Haddock. Organist of Wexford Episcopal Church, Conductor Wexford Orchestral Society. Instructor in Piano and Harmony, Ladies' College, 1900-1906. Mr. Thornton was trained entirely in England. He is now Organist and Director at St. Clements Episcopal Church, St. Paul. A member of the St. Paul Symphony Orchestra.

Residence, 1777 Lincoln Ave. N. W. Midway 766L.

CYRUS BORGSTROM,

Leader of College Orchestra.

Course of Study.

There is a preparatory, a junior and a senior year, bounded at the beginning by strict entrance requirements and at the end by a degree of Bachelor of Music. The required studies of the preparatory year include, besides the major subject, as piano, voice, organ or violin, two hours weekly of harmony, one of history of music, one of sight-reading, one of recital, one of chorus, five hours study of English, German, or any subject for which the student is prepared,—studies all receiving due credits in the College or Baldwin School. Compulsory requirements are a new feature of this preparatory year.

The junior year continues the studies begun as preparatory, working into the more advanced harmony, history, recital and chorus, and substituting for sight-reading, ensemble playing and a year of vocal for piano students, hymn playing in college chapel for organ students, chamber music and orchestral playing for violin students, and an additional year of piano for vocal students. Students satisfactorily completing this year of work will be given a teacher's certificate if desired.

The senior year requires of all students study of appreciation of music, history of the fine arts, and the writing of a graduation thesis,—of the piano students a second year of vocal and a half year of accompanying, besides advanced work in harmony and recital; of the vocal students, a third year of piano and a year of Italian, advanced work in harmony, recital and chorus; of the organ students, a third year of piano and a year of vocal, advanced work in harmony, recital and chorus; of the violin students, a third year of piano and a year of vocal, advanced harmony, recital and chorus. Upon completion of the senior year, a diploma from the School of Music is awarded.

The degree of Bachelor of Music, which is given by several of the best schools, Syracuse, Northwestern and others, represents at Macalester a student's successful conclusion of a difficult course sealed by the approving stamp of the music faculty. Candidates for this degree must, in addition to the requirements of the senior year, have finished high school work in full and a year of college work, consisting of languages, physics of music and desired electives.

There is, aside from this regular course, opportunity for outside pupils, not attending college, to receive any amount of desired instruction at the Music School.

The varied branches of musical art which each pupil must study, the broadening effect of the college studies, all supported by the credit system, make the course at Macalester College School of Music practically ideal and ideally practical.

CLASSIFICATION.

Upon entrance pupils are examined, classified and placed in their fitting grade, by the director.

Entrance.—Pupils who expect to graduate must enter at the beginning of the school year. Those not wishing to graduate may enter at any time in the year.

Teachers' Certificate.—Teachers' certificates will be given to all pupils who have completed the junior year in full to the satisfaction of their individual teachers. Entrance Requirements.—Completion of the eighth grade and two units of English, besides five hours required each year in regular course.

Diploma from the School of Music.—A student, to receive a diploma, must have completed the work of the senior year in full, written a graduating thesis, given a whole or such part of a program as the director may decide upon, and taken part in the graduating program of the School of Music. Entrance Requirements.

—Completion of eighth grade and eight units including two of English, aside from regular five hours required each year.

Diploma with the Degree of Bachelor of Music.—Students who wish to take this course in music must, in addition to the required five hours a year, have completed high school work in full, and must take the equivalent of one year in college work. This work in college is to be made up as follows: English, 1; Physics of Music; German, one year; French, one year; electives. Every music pupil must throughout the course take five hours of academic work.

Special courses are offered those living in the city who do not wish to take the regular course.

Orchestra.—A College Orchestra, composed of students and under competent leadership, is open to all students at a nominal fee of one dollar a year.

Course in Music.

Preparatory Year.

PIANO.	Hrs.	Cred.
Piano 1st and 2d	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½
English, German or any other subject for which they are prepared.		

VOCAL.	Hrs.	Cred.
Vocal	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½
English, German. Elect German if less than two years.		

ORGAN.	Hrs.	Cred.
Organ	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

VIOLIN.	Hrs.	Cred.
Violin	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

Junior Year.

PIANO.		
Piano	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Recital	1	½
Chorus	1	½
Vocal	1	1
Ensemble playing.	1	½
German, French or any subject for which prepared.		

VOCAL.		
Vocal	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Recital	1	½
Chorus	1	½
Piano	1	1
German, French or any subject for which prepared.		

ORGAN.

Organ	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chapel Playing	1	½

German, French or any subject for which prepared.

VIOLIN.

Violin	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chamber Music	1	½

French.

Senior Year.

PIANO.

Piano	2	2
Vocal	1	1
Theory	2	2
Recital	1	½
Ensemble Playing	1	½
Appreciation	1	½
History of Fine Arts	1	1
Chorus	1	½
Accompanying	1	

Graduating Thesis.

VOCAL.

Vocal	2	2
Piano	1	1
Theory	2	2
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Italian		

Graduating Thesis.

ORGAN.

Organ	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2

Graduating Thesis.

VIOLIN.

Violin	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2

Graduating Thesis.

In the College, eight credits will be allowed toward graduation. These credits are on the basis of one hour periods.

Terms for Instruction.

	Per Semester.
Vocal Lessons—Mr. Phillips:	
Two 20 minute lessons a week	$68.00
Two 30 minute lessons a week	85.00
One 30 minute lesson a week	50.00
Piano or Pipe Organ—Mr. Fairclough:	
Two 30 minute lessons a week	50.00
One 45 minute lesson a week	39.00
Piano—Miss Kay:	
Two 30 minute lessons a week	45.00
One 45 minute lesson a week	34.00
Piano—Miss Godkin:	
One hour lesson a week	36.00
Two 30 minute lessons a week	36.00
One 45 minute lesson a week	28.00
Piano—Mrs. Kindy:	
One hour lesson a week	30.00
Two 30 minute lessons a week	30.00
One 45 minute lesson a week	24.00
Harmony class lessons:	
Two lessons a week	12.00
History of Music	3.00
Public School Music:	
Class of six	12.00
Class of four	15.00
Class of three	18.00
Class of two	27.00
Violin—Mr. Thornton:	
Two 30 minute lessons a week	36.00
One 30 minute lesson a week	20.00
Rent of Piano for practice:	
One hour a day	4.00
Two hours a day	8.00
Three hours a day	12.00
Four or more hours a day	14.00
Tuition, College	15.00
Tuition, Baldwin School	13.00

Payment strictly in advance and only in case of severe illness of more than two weeks duration can any deduction be made for missed lessons. In such cases the School shares the loss equally with the pupil.

Honorary Degrees

Conferred by Macalester College.

No honorary degrees were given by Macalester College before 1901.

1901: D. D. to Rev. Charles Thayer, Ph. D..... Deceased.
D. D. to Rev. George W. Davis, Ph. D., St. Paul, Minn.

1902: D. D. to Rev. H. F. Stilwell.....St. Paul, Minn.
D. D. to Rev. J. Le Moyne Danner..Indianapolis, Ind.
LL. D. to Hon. Thomas Wilson.....Deceased.

1903: D. D. to Rev. Joseph Cochran, Macalester, '89.....
.....Philadelphia, Pa.

1904: D. D. to Rev. Stanley B. Roberts..Minneapolis, Minn.
M. A. to Myron A. Clark, Macalester, '90.....
.....Rio de Janeiro, Brazil.

1905: D. D. to Rev. Charles F. Hubbard.....Auburn, N. Y.

1906: D. D. to Rev. Donald D. McKay.....Tacoma, Wash.

1907: D. D. to Rev. Archibald Cardle, Macalester '94.....
.... Burlington, Iowa.

1910: D. D. to Rev. Charley T. Burnley..... Deceased.
D. D. to Rev. Alfred E. Driscoll.....Ashland, Wis.
D. D. to Rev. William Porter Lee, Macalester '89.....
.....Germantown, Pa.
D. D. to Rev. Harry Clinton Schuler, Macalester '95..
.....Teheran, Persia.
D. D. to Rev. John Hansen Sellie, Macalester '95.....
.....Buffalo, Minn.

1911: D. D. to Rev. Charles Allen Clark, Macalester, '99.....
.....Seoul, Korea.
LL. D. to Rev. Albert Brainerd Marshall, D. D.....
.....Omaha, Nebr.
LL. D. to Rev. George Livingstone Robinson, Ph. D., D. D. .....Chicago, Ill.

Roll of Alumni.

Class of 1889.

George Washington Achard.....Business, Minneapolis, Minn.
Joseph Wilson Cochran.....Minister, Philadelphia, Pa.
Ulysses Grant Evans.....Minister, Derby, Iowa.
James Chase Hambleton.....Teacher, Columbus, Ohio.
Benjamin Wallace Irvin.....Deceased.
Samuel M. Kirkwood.....Surgeon, St. Paul, Minn.
William Porter Lee.....Minister, Germantown, Pa.
Paul Erskine McCurdy.....Business, Philadelphia, Pa.
Louis Ferdinand Slagle.....Deceased.
Charles Albert Winter.....Deceased.

Class of 1890.

Myron A. Clark..Nat'l Sec. Y. M. C. A., Rio de Janeiro, Brazil.
Thaddeus T. Cresswell.....Minister, Pomona, Cal.
John Knox Hall.....Missionary, Denver, Colo.
William Henry Humphrey.....Deceased.
William Paul Kirkwood.....Magazine Writer, St. Paul, Minn.
Amos Avery Randall.....Minister, Frankfort, Ind.
Judson L. Underwood.....Missionary, Hutchinson, Kans.

Class of 1891.

Frank Brown.....Willmette, Ill.
Walter F. Finch.....Minister, Slayton, Minn.
Walfred Sunberg.....Deceased.
William B. Turner.....Business, Boston, Mass.
Thomas C. Williamson.....Business, Greenwood, S. D.

Class of 1893.

James Carlisle Simonton.....Business, Minneapolis, Minn.
Joseph Zoll.....Address Unknown.

Class of 1894.

Francis W. Beidler.....Minister, Monte Vista, Colo.
Archibald Cardle.....Minister, Burlington, Iowa.
Paul A. Ewert.....Attorney, Joplin, Mo.
George E. Johnson.....Business, Sayre, Okla.
Samuel M. Marsh.....Minister, Wabasso, Minn.
William H. Sinclair.....Minister, Clarksville, Iowa.

Class of 1895.

Frank E. Balcome.....Physician, St. Paul, Minn.
John W. Christianson.....Minister, Sisseton, S. D.
Thomas Fitz-Morris Clark.....Minister, St. Croix Falls, Wis.
Charles D. Darling.....Minister, Minneapolis, Minn.
Edwin Howard Gordon.....Deceased.
Harry Clinton Schuler.....Missionary, Teheran, Persia.
John Hansen Sellie.....Minister, Buffalo, Minn.
Arthur Whitney Vance.....
City Editor, Daily News, St. Paul, Minn.

Class of 1896.

Alexander Edward Cance.....
Professor, Mass. Agr. College, Amherst, Mass.
Moses M. Maxwell.....Minister, Crystal Bay, Minn.
Samuel F. Sharp.....Minister, Exeter, Ontario, Can.

Class of 1897.

Albert Ernest Evans.....Minister, Gemmell, Minn.
Charles W. Hansen.....Deceased.
Ernest Charles Henke.....Minister, Baraboo, Wis.
George Leck.....Deceased.
John McLearie.....
Professor, State School of Mines, Rapid City, S. D.
Winifred Moore-Mace.....Racine, Wis.
Arthur A. Palmer.....Minister, Howard Lake, Minn.
Charles Petran.....Missionary, Saltillo, Mexico.
Louis B. Sherwin.....Minister, Bayfield, Wis.
William K. Sherwin.....Teacher, Carlton, Minn.
Arthur G. Welbon.....Missionary, Andong, Korea.

Class of 1898.

Clarence Dwight Baker.....Deceased.
Charles Warren Dade.....Business, Sisseton, S. D.
Anna Moore Dickson.....Teacher, St. Paul, Minn.
Caspar Gregory Dickson.....Clerk Nat. Lbry., Washington.
Nellie M. Flanders-Sherwin.....Carlton, Minn.
John M. Guise.....Prin. of School, St. Paul, Minn.
Carlton Leslie Koons.....Minister, Eau Claire, Wis.
Robert C. Mitchell.....Minister, Estherville, Iowa.
William James Mitchell.....Minister, Brighton, Wash.
David Walter Morgan.....Minister, Nioto, Ill.

Class of 1899.

Hugh S. Alexander...Prof. Macalester College, St. Paul, Minn.
Walter Baker Augur.....Minister, Arriba, Colo.
Charles Allen Clark.....Missionary, Seoul, Korea.
Ralph Elmo Clark.....Minister, Erskine, Alberta, Can.
Paul Doeltz.....Missionary, Iloilo, Phillipine Islands.
George C. Edson.....Minister, Brooklyn, N. Y.
Thomas George Jamieson.....Business, Calgary, Can.
Almira F. Lewis.....Denver, Colo.
James Murray.....Minister, Nez Perce, Idaho.
Samuel Merton Pinney...Superintendent, Spring Grove, Minn.
Jacob Elmer Smits.....Deceased.
George Stanley.....Minister, Rushford, Minn.
Murray Alberton Travis.....Minister, Collegeport, Texas.

Class of 1900.

John Calvin Abels.....Minister, Colombo, Ceylon.
Miles Strong Grimes.....Minister, White Salmon, Wash.
Ralph Emerson Herron.....Business, Manito, Ill.
John Robert Landsborough.....Minister, Oregon City, Ore.
Ernest A. Oldenburg.....Minister, St. Paul, Minn.
Mathilde Pederson-Romunstaad.....Deceased.
Irving David Roach.....Business, Azusa, Cal.
William James Sharp.....Minister, South Tacoma, Wash.
Roy Walker Smits.....Primghar, Iowa.
David A. Thompson.....Minister, Olympia, Wash.

Class of 1901.

William Beckering.....Minister, Oostberg, Wis.
Louis Benes.....Minister, Waupun, Wis.
Henry Roy Bitzing.....Lawyer, Mandan, N. D.
Percy Porter Brush.....Business, Kelso, Wash.
Charles Morrow Farney.....Business, St. Paul, Minn.
Henry D. Funk.....Prof. Macalester College, St. Paul, Minn.
Nathaniel E. Hoy.....Meadow, S. D.
Lewis Hughes.....Teacher, Ottawa, Minn.
Richard U. Jones.....Prof. Macalester College, St. Paul, Minn.
William C. Laube.....Professor Presb. Sem., Dubuque, Ia.
Millicent V. Mahlum.....Teacher, Brainerd, Minn.
William H. Travis..Pres. Gulf Coast University of Industrial .....Arts, Collegeport, Tex.
Lily Bell Watson.....Macomb, Ill.

Class of 1902.

Frederick Brown .....Minister, Lansing, Mich.
Robert L. Davidson.....Teacher, Kent, Wash.
Sarah A. Haines.....Sitka, Alaska.
Grace Iddings-Fletcher.....Grand Forks, N. D.
Leonard L. Mann.....Minister, Lisbon, N. D.
Francis H. Newton.....Minister, Reubens, Idaho.
Winifred R. Pringle-Weber.....Bayfield, Wis.
Edgar E. Sharp.....Lawyer, Moorehead, Minn.
Benjamin Bruce Wallace.....Instructor, Ann Arbor, Mich.
Helen Margaret Wallace-Davies.....Chicago, Ill.

Class of 1903.

John Morton Davies.....Minister, Chicago, Ill.
Bessie Shepard Doig-Jacobson.....Panora, Iowa.
Julia Anita Elmer.....Teacher, St. Paul, Minn.
Peter Erickson.....Minister, Minot, N. D.
Ebenezer Thomas Ferry.....Business, Rock Island, Ill.
Emma Inez Godward-Davies.....Ord, Neb.
Robert McMaster Hood.....Minister, Madera, Cal.
Peter Westin Jacobson.....Minister, Panora, Iowa.
Raymond Lewis Kilpatrick.....Engineer, Hibbing, Minn.
Donald Norman MacRae.....
Minister, Glace Bay, Cape Breton, N. S.
Henry Morgan.....Reporter, St. Paul, Minn.
Joseph E. Rankin.....Minister, Long Lake, Minn.
Mary J. Rankin.....Missionary Teacher, Sneedville, Tenn.
Max M. Wiles.....Minister, Princeville, Ill.
William H. Weber.....Business, Bayfield, Wis.

Class of 1904.

Grace Ivanore Chapin-Sharp.....Moorehead, Minn.
Peter Arthur Davies.....Ord, Nebr.
Thomas Hunter Dickson.....Physician, St. Paul, Minn.
Margaret Evans-Detweiler.....Ponce, Porto Rico.
William Horatio Kendall.....Minister, Farmington, Ill.
Alfred Edward Koenig...Instructor U. of Wis., Madison, Wis.
William Oliver Rothney.....Minister, Richmond, Quebec, Can.
Henry John Voskuil.....Missionary, Amoy, China.
Tolbert Watson.....Physician, Albany, Minn.
Mabel Wicker.....Teacher, Kenyon, Minn.

Class of 1905.

John Thomas Anderson.....Minister, Belfield, N. D.
Earl Kenneth Bitzing.....Editor, Mandan, N. D.
Eugene Erwin Bromley.....Missionary, Sitka, Alaska.
Isabelle Allison Elmer.....St. Paul, Minn.
Asa John Ferry.....Minister, Philadelphia, Pa.
Thomas Edwin Flinn..... Physician, Redwood Falls, Minn.
Ledru Otway Geib.....Med. Student, Detroit, Mich.
Mary Carnahan Guy-Shellman..Missionary, Pitsanuloke, Siam.
Marie Grace Jamieson-Smith.....Lewisville, Ind.
Daniel Griffin Le Fever.....Superintendent, Gooding, Idaho.
James Albert Slack.....Minister, Powell, Wyo.
Robert Owens Thomas.....Chicago, Ill.
Jane Turnbull.....Teacher, Kerkhoven, Minn.

Class of 1906.

Levi H. Beeler.....Teachers' Agency, Chicago, Ill.
James Ekin Detweiler.....Missionary, Yamada, Japan.
James Hamilton.....Minister, Battle Creek, Ia.
Roscoe Cliver Higbee.....Prin. of School, St. Paul, Minn.
Alexander Hood.....Missionary, North Fork, Cal.
Albert Kuhn.....Professor Presb. Sem., Dubuque, Iowa.
Paul H. Th. Rusterholz.....Teacher, Wells, Minn.
Ruth Estelle Swasey-Rusterholz.....Wells, Minn.
Gordon Graham Thompson.....Physician, Seattle, Wash.
Frank Harvey Throop.....Missionary, Soo Chow, China
Margaret Turnbull.....Teacher, Clark, S. D.

Class of 1907.

William Harvey Amos.....Theo. Student, Omaha, Nebr.
James Albert Caldwell.....Minneapolis, Minn.
Robert W. Davies.....Superintendent, Mapleton, Minn.
Josephine Elmer.....St. Paul, Minn.
Marshall Gregory Findley.....Teacher, Princeton, N. J.
Richard David Hughes.....Minister, Cotter, Iowa.
Martha Antoinette Jacobson.....Teacher, St. Paul, Minn.
Henrietta Cecelia Lundstrom.....Teacher, Mapleton, Minn.
Rose Amelia Metzger-Nutt.....Sidney, Mont.
David McMartin.....Minister, Leadville, Colo.
Rhoda Catherine MacKenzie.....Teacher, Fruitvale, Cal.
Richard Samuel Nutt.....Bank Cashier, Sidney, Mont.
Ole Johnson Oie.....Pres. Theo. School, Christiania, Norway.
William Fred Pottsmith.....Minister, King Hill, Idaho.
Mary Pauline Payne.....Teacher, Mapleton, Minn.
Minerva Schlichting.....Teacher, Harmony, Minn.
Ruth Adelia Sherrill.....Teacher, Morgan, Minn.
Mary Helen Smith-Jones.....St. Paul, Minn.
George Hill Smith.....Business, Excelsior, Minn.

Class of 1908.

George Kemp Aiken.....Editor, Pasco, Wash.
Hanna Sophia Berg.....Rush City, Minn.
Ralph Brinks.....Principal, Cheyenne, Wyo.
Richard Stanley Brown.....Theo. Student, Chicago, Ill.
Edith Frederica Cale.....Deceased.
Clifford Clement Cornwell.....Minister, Sherman, N. Y.
Evan Milton Evans.....Lawyer, St. Paul, Minn.
Rosella Evans.....Teacher, Minot, N. D.
James Todd Guy.....Lawyer, Minneapolis, Minn.
Mary Elizabeth Guy-Wallace.....Lyons, Wis.
Walter Mell Hobart.....Principal, Buffalo, N. D.
Lucy MaBelle Hyslop-Flinn.....Redwood Falls, Minn.
Nina Foy Johnson.....Fairmount, Minn.
Margaret Edith Lakey-McDonald.....Chicago, Ill.
Peter McEwen.....Theo. Student, Chicago, Ill.
Luke Edward Marvin.....Duluth, Minn.
Martha Bessy Olson-Bromley.....Sitka, Alaska.
Stanley Hall Roberts.....Minister, Eden Prairie, Minn.
Lydia Anna Schroedel.....Teacher, North St. Paul, Minn.
Clarence Mason Stearns.....Business, Sheldon, Ia.
Robert Sinclair Wallace.....U. S. Forest Service, Mena, Ark.

Class of 1909.

Emma Bertelle Barker.....Teacher, Slayton, Minn.
Lucas H. Brinks.....Principal, Madison, S. D.
Albert Daniel Davies.....Teacher, Dover, Minn.
David Roy Jones.....Theo. Student, Chicago, Ill.
Lulu Lane Piper.....Berwyn, Ill.

Class of 1910.

George Samuel Barclay Acheson..Theo. Student, Chicago, Ill.
William Jefferson Bell.....Theo. Student, Princeton, N. J.
Joseph Vaclav Beran.....Business, Hibbing, Minn.
Charles Taylor Burnley.....Reporter, St. Paul, Minn.
Edward John Carson.....Theo. Student, Chicago, Ill.
John Andrew Evert, Med. Student, U. of M., Minneapolis, Minn.
June Rose Evert-Lanterman.....Mandan, N. D.
Albert Howard Gammons...Theo. Student, San Anselmo, Cal.
Jesse Willis Hamblin.....Theo. Student, Chicago, Ill.
Stanley Hurlbut Hodgman.....Everett, Wash.
William Andrew Horne.....Theo. Student, Chicago, Ill.
Helen Mary Hunt.....St. Paul, Minn.
Edward Henry Joesting.....Theo. Student, St. Louis, Mo.
John Archibald McEwen.....Theo. Student, Chicago, Ill.
Sarah Grace McMartin.....Claremont, Minn.

Pearl Alma Nash.....Teacher, Preston, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Minnie Mae Pierson.....Minnewaukan, N. D.
Mary Elsie Raymond-Muhr.....Eugene, Ore.
Gladys Isabelle Roberts.....Minneapolis, Minn.
Jeannette Paulina Sawyer-Guild.....St. Paul, Minn.
Frederick Samuel Shimian.....Theo. Student, Omaha, Nebr.
Elmer Stuart Smith.....Law Student, St. Paul, Minn.
Elizabeth Libby Staples.....St. Paul, Minn.
Vernon Elliott Stenerson....Law Student, Minneapolis, Minn.
Anna Elizabeth Taylor.....Teacher, Waterville, Minn.
Norman Kendall Tully.....Y. M. C. A., St. Paul, Minn.
Ruth Minerva von Dorn-Gammons.....San Anselmo, Cal.
June Adelia Woodward.....Granite Falls, Minn.

Class of 1911.

William Ernest Baskerville.....Y. M. C. A., Omaha, Nebr.
Charles Bremicker..Prof. Macalester College, St. Paul, Minn.
Allan Hill Brown.....Theo. Student, Princeton, N. J.
Homer Clyde Cardle.....Business, Winnipeg, Can.
Fred Franklin Carson.....Teacher, Salem, Ohio.
Janet Isabella Dodds.....Claremont, Minn.
Donald Smith Doty.....Law Student, St. Paul, Minn.
Effie Miranda Ellison-Miner.....Berkley, Cal.
Hulda Olivia Ellison.....La Moure, N. D.
Oscar Melvin Ellison.....Business, La Moure, N. D.
Marjory Lucy Hanson.....Teacher, Warren, Ohio.
Bayard William Heed.....Teacher, Cokato, Minn.
Arthur Billings Hunt.....St. Paul, Minn.
Ernest Wilburt Johnson.....Teacher, Larimore, N. D.
Ina Elizabeth Lindsley.....Marshall, Minn.
Anna Mae Little.....Plover, Iowa.
Luella Irene Murphy.....Teacher, Pierpont, S. D.
William Earls Noyes.....Teacher, Hardwick, Minn.
Adelaide Wadsworth Payne.....Teacher, Elk River, Minn.
Russell Stephen Peterson.....Teacher, Montevideo, Minn.
Leland William Porter.....Minister, Helena, Mont.
Edna Francis White-Becker.....Amboy, Minn.

Alumni of the School of Music.

Class of 1900.

Mrs. Maud Taylor-Hansen, piano.....Minneapolis, Minn.

Class of 1901.

Millicent Viola Mahlum, piano.....Brainerd, Minn.

Class of 1905.

Grace Tayor, voice.....
Mrs. W. H. Amos, piano.....Howard Lake, Minn.

Class of 1906.

Carmen Mahlum, voice.....Brainerd, Minn.
Pearl Neeb, voice.....Lewiston, Minn.
Charrie Roberton, voice.....Rushford, Minn.
Mildred Gretchen Phillips, piano.....St. Paul, Minn.
Paul H. Th. Rusterholz, voice.....Wells, Minn.

Class of 1907.

Gyda Hansen, voice.....St. Paul, Minn.
Richard U. Jones, voice.....St. Paul, Minn.

Class of 1908.

Ethel Erckenbrack, voice.....Parkers Prairie, Minn.
Ada Nash, piano.....Pipestone, Minn.
Gladys Neff, piano.....Neillsville, Wis.
Minnie Tullar, piano and voice.....Warren, Minn.
Clara Odenwald, voice.....Jordan, Minn.

Class of 1909.

Lorraine Vern Miller, piano.....La Moure, N. D.
Rhea Le Pierre Rocheleau, piano.....Ocean Park, Cal.
Anna May Woodworth, piano.....Carlton, Minn.

Class of 1910.

Ardelia Bisbee, piano.....Madelia, Minn.
Mildred C. Corliss, piano.....Grand Forks, N. D.
Ada Dahlgren, voice.....Fergus Falls, Minn.
Lillian Hall, voice.....Minnewaukan, N. D.
Estelle Spayde, voice.....Rapid City, S. D.

Class of 1911.

Charlotte Burlington, piano.....Bolivar, N. Y.
Elva May Davis, voice.....Madison, S. D.
Katherine Gamble, voice.....Wayne, Neb.
Myrtha Marie Gunderson, piano.....St. Paul, Minn.
Ethel Haggard-Stewart, piano.....St. Paul, Minn.
Stella Wilhelmina Steger, voice.....St. Paul, Minn.

Roll of Students.

COLLEGE.

Senior Class.

Anna Elizabeth Anderson.....Alpha, Minn.
Dorothy Elizabeth Baumgart.....St. Paul, Minn.
Clara Berdan.....Chatfield, Minn.
James Brinks.....Princeton, Minn.
Orville Clifton Cardle.....Blue Earth, Minn.
Bessie Florence Clark.....St. Paul, Minn.
Mabel Emma Cosgrove.....Le Sueur, Minn.
Elva May Davis.....Madison, S. D.
Louise Lombard Davison.....Madison, S. D.
Jessie Ellen Fisher.....St. Paul, Minn.
Clarence Oscar Graue.....Blue Earth, Minn.
Lilah Agnes Holden.....Hudson, Wis.
Florence Hunt.....St. Paul, Minn.
Earl Duane Jenckes.....Pipestone, Minn.
Clarence Eugene Johnson.....Cokato, Minn.
Marion Burdick Jones.....Wabasha, Minn.
Ruth Anna McKinlay.....Medford, Minn.
Louis Whitford Matteson.....Williston, N. D.
Clarice Audrey Miller.....Ely, Minn.
Pearl Margueritte Palmer.....Madison, S. D.
John Gottfried Schmidt.....Blue Earth, Minn.
William Ellison Scott.....Two Harbors, Minn.
Ella Adelia Stearns.....Jasper, Minn.
Edna Alda Stewart.....Delhi, Minn.
Cassie Marie Stoddart.....St. Paul, Minn.
Oakley Russell Tripp.....Round Lake, Minn.
Oscar Westerlund.....St. Paul, Minn.
Muriel Faye Wheeler.....Litchfield, Minn.
Harry Merrium Willmert.....Blue Earth, Minn.
Ralph Calvin Wilson.....Maine, Minn.

Junior Class.

Enoch Newman Bengtson.....Rush City, Minn.
Ruby Bredenhagen.....St. Paul, Minn.
Ragna Leonora Bye.....Kenmare, N. D.
Lenna May Campbell.....Minneapolis, Minn.
Wilfrid Gladstone Campbell.....Superior, Wis.
Paul Ephraim Carlson.....Harris, Minn.
Mary Genevieve Carver.....Luverne, Minn.
George Oliver Chase.....Florence, Neb.
Leonard Alvin Clark.....Eden Prairie, Minn.

Mary Bernice Clark.....Eden Prairie, Minn.
Solomon David David.....Damascus, Syria
Emma Joy Frederick.....Delano, Minn.
William Henry Wallace Holley.....East Grand Forks, Minn.
Berenice Antoinette Kellogg.....St. Paul, Minn.
Del Leslie Laughlin.....Lisbon, N. D.
Bessie Elizabeth Lovell.....Amboy, Minn.
Grace Eloise McClure.....Litchfield, Minn.
Elmer Shepard McCourt.....St. Paul, Minn.
Florence Amelia Otis.....St. Paul, Minn.
Norton Walter Peet.....Wolverton, Minn.
William Conkey Phillips.....Preston, Minn.
Edythe Beatrice Pierson.....Minnewaukan, N. D.
Ruth Lynn Porter.....Madison, S. D.
Adeline Marie Rosebrock.....Owatonna, Minn.
Ray Simons.....Virginia, Minn.
Marie Gertrude Smits.....Le Roy, Minn.
James Merton Snyder.....Fulda, Minn.
Florence Adell Switzer.....Two Harbors, Minn.
James Russel Thomas.....Sherburne, Minn.
John Daniel Thomas.....Minneapolis, Minn.
Katie Lillian White.....Claremont, Minn.
Vera Mae Zimbeck.....Montevideo, Minn.

Sophomore Class.

Carrie Ellen Alvord.....Washburn, Wis.
Richard Harlow Anderson.....Donnelly, Minn.
Wallace Jay Anderson.....Eden Prairie, Minn.
Harold Harvey Baldwin.....Milnor, N. D.
Romona Bell.....St. Paul, Minn.
Hosea Greenwood Bosley.....Harlem, Mont.
Arthur George Brown.....Eden Prairie, Minn.
Truman Dean Brown.....Eden Prairie, Minn.
Lulu Ellen Carey.....Duluth, Minn.
Charles Edward Clark.....Blue Earth, Minn.
Howard Edward Clark.....Eden Prairie, Minn.
Margaret McGregor Doty.....St. Paul, Minn.
Leslie Lisle Druley.....Estherville, Iowa.
Vera Margery Dunlap.....St. Paul, Minn.
Bertha Irene Gamble.....Hopkins, Minn.
Lloyd Gilmore.....Hope, N. D.
Frances Elizabeth Griswold.....Minneapolis, Minn.
William Harry Haly.....Minneapolis, Minn.
Harold Edwin Hullsiek.....St. Paul, Minn.
Arthur Hanscome Johnson.....St. Peter, Minn.
Pearl Johnson.....St. Paul, Minn.
Robert Loyd Lang.....Mapleton, Minn.
Myrtle Alicia Little.....Le Sueur, Minn.
Robert Shepard McCourt.....St. Paul, Minn.
Joseph Robert Neller.....Hayfield, Wis.

Arthur Emanuel Nelson.....Brown's Valley, Minn.
Evelyn Pickthorn.....Brown's Valley, Minn.
Helen Marie Prosser.....Duluth, Minn.
Mark Matthew Reed.....St. Paul, Minn.
Mabel Josephine Scott.....Winthrop, Minn.
Gertrude Gray Smith.....St. Paul, Minn.
Ole Strand.....Towner, N. D.
Helen Antonia Stratte.....Dawson, Minn.
Selma Ovidia Stratte.....Dawson, Minn.
John William Stuhr.....Euclid, Minn.
John Henry Styles, Jr.....Willmar, Minn.
Charles Albert Thomas.....Brown's Valley, Minn.
Marie Ellen Thomas.....Minneapolis, Minn.
Della Ann Trotter.....Dawson, Minn.
Lucius Harlow Watkins.....Carlton, Minn.
Susie Frances White.....Claremont, Minn.

Freshman Class.

Clark Albin Abrahamson.....Towner, N. D.
Carroll Willis Armstrong.....Philadelphia, Pa.
Harry Edward Boyle.....Eau Claire, Wis
Julia Augusta Brathing.....Battle Lake, Minn.
Paul Benjamin Bremicker.....St. Paul, Minn.
Olive Margaret Brown.....Pipestone, Minn.
Mary Reid Cardle.....Blue Earth, Minn.
Etta Marie Cinclair.....Montevideo, Minn.
Ruth de Moraes Clark.....Rio de Janeiro, Brazil.
Herbert Oram Collins.....Minneapolis, Minn.
Lucile Dahl.....Bismarck, N. D.
William Albert Dalton.....Christchurch, New Zealand
Donald Daniel.....Minneapolis, Minn.
Marie Eleanor de Booy.....Elk River, Minn.
Margaret Marie Defiel.....St. Paul, Minn.
Phyllis Atherton Drew.....St. Paul, Minn.
Edwin Gustaf Englund.....Kennedy, Minn.
Ruth Marie Featherstone.....Hastings, Minn.
Eunice Geer Finch.....Slayton, Minn.
Alice Julia Flinn.....St. Paul, Minn.
Henry Nels Granburg.....St. Paul. Minn.
David Gustafson.....Rush City, Minn.
Edith Almeda Haigh.....St. Paul, Minn.
Arthur Peder Hansen.....St. Paul, Minn.
John Leslie Harvey.....Banbridge, Ireland.
Hillard Herman Holm.....Carver, Minn.
Burton Patriquine Holt.....Randall, Minn.
May Lucile Kingsland.....St. Paul, Minn.
Custer Albert Lang.....Mandan, N. D.
John Arthur Lensink.....Ostburg, Wis.
Alvin Otto Leuzinger.....Waverly, Minn.

Charles Louis Lick.....St. Paul, Minn.
Alice Louise Lindsley.....Marshall, Minn.
Edward Everett McCabe.....St. Paul, Minn.
Grover James McGrath.....Barnesville, Minn.
Christine McMartin.....Claremont, Minn.
Finlay Hector McRae.....Morgan, Minn.
Carl Mannheimer.....St. Paul, Minn.
Harold James Matteson.....Duluth, Minn.
Russell Briston Melin.....Red Wing, Minn.
Erwin Herbert Metag.....Morgan, Minn.
Mable Mohr.....Buffalo, N. D.
Erling Monnes.....Portland, Ore.
Esther May Neller.....Hayfield, Minn.
Emily Helen Payne.....St. Paul, Minn.
Bersha Fannie Peek.....Ellendale, N. D.
John Paul Peterson.....Moorehead, Minn.
Lyla Gladys Plantikow.....St. Paul, Minn.
Miranda Mabel Plantikow.....St. Paul, Minn.
Jessie Winifred Porter.....St. Paul, Minn.
Llewellyn Demi Porter.....Dassel, Minn.
Orson Bates Powers.....St. Paul, Minn.
Leon Earl Rademacher.....Fairmont, Minn.
Theron Libby Rank.....Dover, Minn.
Ralph Edwin Richards.....St. Paul, Minn.
Ralph Woods Ross.....Calvin, N. D.
Plato Earl Sargent.....Red Wing, Minn.
Samuel Gotlieb Schiek.....Grant Park, Ill.
Herbert H. Sell.....Cloquet, Minn.
Ruth Virden Slagg.....Pipestone, Minn.
Henry Frank Softley.....Colchester, England.
Smith Taylor.....Towner, N. D.
Elmer Trolander.....Alborn, Minn.
Arthur Elliott Vik.....Willmar, Minn.
Gwendolyn Bromley Williams.....Duluth, Minn.
Trevor George Williams.....St. Paul, Minn.
Bert Benjamin Willmert.....Blue Earth, Minn.
Ross Henry Willmert.....Blue Earth, Minn.
Glenn Sumner Witherstine.....Rochester, Minn.
Dorothy Womack.....Minneapolis, Minn.

Special Students.

Benjamin Harrison Anderson.....Litchfield, Minn.
Erma Wilhelmina Martha Appel.....Springfield, Minn.
Louise Anna Christine Appel.....Springfield, Minn.
Leila M. Black.....Mankato, Minn.
Edith May Ellison.....La Moure, N. D.
Alice Elvira Larson.....Alexandria, Minn.
Blanche Hazel Macdonell.....St. Paul, Minn.
Amelia Sophia Miller.....Montrose, Minn.

Edna Lillian Mohr.....Buffalo, N. D.
Alice Rosalia Olson.....Fargo, N. D.
Lottie Mae Olson.....Argyle, Minn.
Iva Nannette Palmer.....Madison, S. D.
Ethel May Stewart.....St. Paul, Minn.
Mary Frances Symonds.....Wendell, Minn.
Gladys Ruth Ziesemer.....St. Paul, Minn.

BALDWIN SCHOOL.

Senior Class.

Albert Christopher Barbo.....Deronda, Wis.
George William Barbo.....Deronda, Wis.
Jean Brawley.....St. Paul, Minn.
Grace Emily Brown.....St. Paul, Minn.
Ruth de Moraes Clark.....Rio de Janeiro, Brazil
William Albert Dalton.....Birmingham, England
Francis Marion Dana.....St. Paul, Minn.
Margaret Douglass Downing.....St. Paul, Minn.
Gwendolyn Latimer Eastman.....St. Paul, Minn.
Christopher Leo Kenny.....St. Paul, Minn.
Frederick Joseph Kenny.....St. Paul, Minn.
Mabel Lenore Lundsten.....Waconia, Minn.
John Thomas McCallum.....St. Paul, Minn.
Stuart Ainslie McLeod.....St. Paul, Minn.
Margaret Christina McRae.....Lee, Mont.
Loana Miriam Miller.....St. Paul, Minn.
Nina Carol Moore.....St. Paul, Minn.
Mildred Pederson.....Strum, Wis.
Lillian Sutherland Robinson.....St. Paul, Minn.
Vera Marie Utter.....St. Paul, Minn.
Mary Helen Wade.....St. Paul, Minn.
George William Welis.....St. Paul, Minn.

Junior Class.

Arthur Glenn Adams.....Minneapolis, Minn.
Theodore Emil Anderson.....St. James, Minn.
Lucy McRae Bosley.....Harlem, Mont.
Charles Henry Bronson.....Minneapolis, Minn.
Charlotte Agatha Burlington.....Bolivar, N. Y.
Harriet Martha Caldwell.....Monango, N. D.
Alice Blanche Carlson.....St. Paul, Minn.
Katharine Currie Davies.....St. Paul, Minn.
Grace Stewart Ewing.....St. Paul, Minn.
Otis Andrew Fisher.....Cobban, Wis.
Luther Barwise Harrison.....St. Paul, Minn.

Henry Alexius Holmberg.....St. Paul, Minn.
Helen Minerva Moore.....St. Paul, Minn.
Earl Coy Padelford.....Austin, Minn.
Zylpha Lauretta Sharpe.....St. Paul, Minn.
Florence Victoria Slawik.....St. Paul, Minn.
Ernest Alonzo Sletteland.....Pigeon Falls, Wis.
Miriam Winifred Wallace.....St. Paul, Minn.
Glendon Sidney Welshons.....Stillwater, Minn.

Sophomore Class.

Everett Franklin Bosley.....Harlem, Mont.
Henrietta Brawley.....St. Paul, Minn.
Isabel Orva Browne.....Hensler, N. D.
John Archibald Davies.....St. Paul, Minn.
Frances Dunning.....St. Paul, Minn.
Ernest Ellis.....Harlem, Mont.
James Wentworth Freeman.....St. Paul, Minn.
Howard Edwin Frost.....St. Paul, Minn.
Raymond Kirk Gooch.....St. Paul, Minn.
Mary Amelia Hitchcox.....St. Paul, Minn.
Frank Orville Holmes.....St. Paul, Minn.
John Macfarlane Johnson.....St. Paul, Minn.
William Carroll Keesey.....St. Paul, Minn.
Ernest Lindahl.....Minneapolis, Minn.
Thomas Seward Lovering.....St. Paul, Minn.
Wendell Scott McRae.....St. Paul, Minn.
Swan William Mattson.....Kensington, Minn.
Ruth Ludlow Moore.....St. Paul, Minn.
William Riley.....St. Paul, Minn.
Herbert George Skinner.....Morgan, Minn.
David Leonard Strand.....Morgan, Minn.
Lewis James Symonds.....Wendell, Minn.

Freshman Class.

Richard Rea Bennett.....St. Paul, Minn.
Alice Rowe Brown.....St. Paul, Minn.
Elmo Frederick Brusch.....St. Paul, Minn.
Bernice Burk.....Minneapolis, Minn.
Edith Henrietta Cesander.....St. Paul, Minn.
Orton Skinner Clark.....Rio de Janeiro, Brazil
Elton Kellogg Crowell.....Minneapolis, Minn.
Florence Anna Defiel.....St. Paul, Minn.
Genevieve Emmons.....Bethel, Minn.
Erling Johan Eriksen.....Two Harbors, Minn.
John Louis Ferry.....Outlook, Sask.
Roy Gardner Foote.....St. Paul, Minn.
Fred George Framhien.....St. Paul, Minn.
Marjorie Marie Fuller.....St. Paul, Minn.
Lucile Janet Harrison.....St. Paul, Minn.

James Hedden.....Minneapolis, Minn.
Eugene Wilbur Hunt.....St. Paul, Minn.
George Arthur Jensen.....Glenwood, Minn.
Therian Cecil Lemon.....St. Paul, Minn.
Lora Leola Lynch.....Minneapolis, Minn.
Dean Esther McCorquodale.....Delhi, Minn.
Mary Louise McGee.....St. Paul, Minn.
Andrew Gaston McGinley.....St. Paul, Minn.
Margaret McLeod.....St. Paul, Minn.
Helen Willina McRae.....St. Paul, Minn.
Norman Mellbye.....Sherburne, Minn.
Dorothy Rose Anna Parado.....St. Paul, Minn.
Ruth Cleone Parsons.....St. Paul, Minn.
Alfred Melvin Peterson.....Richville, Minn.
Kathryn Powers.....St. Paul, Minn.
Marion Evangeline Schulz.....St. Paul, Minn.
Alice Burgoyne Spencer.....St. Paul, Minn.
Roy Andrew Stougaard.....St. Paul, Minn.
Arnold John Swanson.....Moose Lake, Minn.
Archibald Thomas.....Sherburne, Minn.
Tom Edd Waddelow.....Fairfield, Ill.
Fred Augustus Waterous.....St. Paul, Minn.
Fridolf Westholm.....Moose Lake, Minn.
Elsie Louise Woldt.....St. Paul, Minn.

Special Students.

Chester Louis Coleman.....St. Paul, Minn.
Alton Bard Cowin.....Minneapolis, Minn.
Mae Appleman Gifford.....Elkader, Iowa
Frank Aron Hinman.....River Falls, Wis.
Vincent Parkhurst Keesey.....St. Paul, Minn.
Faye Jeweld Kubach.....Abilene, Kans.
Dorothy Helen Leach.....St. Paul, Minn.
Henry Lewis.....Minneapolis, Minn.
Lillian McRae.....Lee, Mont.
Guy Francis Murray.....Proctor, Minn.
Herbert William O'Dell.....Little Falls, Minn.
Melvin Melington Oppegaard.....Madison, Minn.
Lillie Page.....Eden Prairie, Minn.
Ethelwyn Susan Phelps.....Minneapolis, Minn.
Margaret Helen Prothero.....Minneapolis, Minn.
Geneva Pearl Samson.....St. Paul, Minn.
Elsie Elizabeth Scott.....St. Paul, Minn.
Grace Seigman.....St. Paul, Minn.
Henry Frank Softley.....Colchester, Eng.
Grace Winifred Vickerman.....Jasper, Minn.
Florence Annie Whitby.....Sares, N. D.
Ethel Wilcox.....Mankato, Minn.
Kate Carrie Young.....St. Paul, Minn.

Summary of Students.

College	173
College Specials	15
Baldwin School	102
Baldwin School Specials	23
Total	313
Counted Twice	4
Net, Total	309

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MACALESTER COLLEGE BULLETIN

CATALOGUE NUMBER

APRIL 1913

VOLUME I, New Series

NUMBER 3

GENERAL VIEW OF EDUCATIONAL PLANT.

Men's Dormitory Main Hall Science Hall

CATALOGUE

OF

Macalester College

Baldwin School

(Preparatory)

AND

School of Music

1912-1913

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under act of congress July 16, 1894.

Issued Quarterly in October, January, April and June.

College Calendar.

1913-1914.

1913

May 30. Friday, Decoration Day.

June 6. Friday, 8:15 p. m., Commencement, Baldwin School.

June 7. Saturday, 8:15 p. m., Senior Class Play.

June 8. Sunday, 10:30 a. m., Baccalaureate Sermon.

June 8. Sunday, 8:00 p. m., Alumni and Christian Associations' Sermon.

June 9. Monday, 8:15 p. m., Senior Class Play.

June 10. Tuesday, 10:00 a. m., Class Day Exercises.

June 10. Tuesday, 1:30 p. m., Annual Meeting of Board of Trustees.

June 10. Tuesday, 8:15 p. m., Recital, School of Music.

June 11. Wednesday, 10:00 a. m., Twenty-fourth Annual Commencement.

June 11. Wednesday, 1:15 p. m., Alumni Banquet.

June 11. Wednesday, 8:00 p. m., President's Reception.

Sept. 8-10. Monday-Wednesday, Registration Days.

Sept. 10. Wednesday, 10:30 a. m., First Semester begins.

Nov. 27-28. Thursday, Friday, Thanksgiving Recess.

Dec. 19. Friday, 4:20 p. m., Christmas Vacation begins.

1914.

Jan. 7. Wednesday, 8:00 a. m., Christmas Vacation ends.

Jan. 30. Friday, First Semester ends.

Feb. 3. Tuesday, 8:00 a. m., Second Semester begins.

Feb. 12. Thursday, Lincoln's Birthday.

April 8. Wednesday, 4:20 p. m., Easter Vacation begins.

April 15. Wednesday, 8:00 a. m., Easter Vacation ends.

June 10. Wednesday, Second Semester ends.

Board of Trustees.

Officers of the Board.

THOMAS SHAW ..... President
R. A. KIRK ..... Vice President
B. H. SCHRIBER ..... Secretary
C. E. MACKEAN ..... Treasurer
H. F. SOFTLEY ..... Accountant

Trustees.

TERMS EXPIRE JUNE, 1913.

B. H. SCHRIBER ..... St. Paul, Minn.
R. C. JEFFERSON ..... St. Paul, Minn.
GEORGE W. WISHARD ..... Minneapolis, Minn.
GEORGE D. DAYTON ..... Minneapolis, Minn.
FREDERICK WEYERHAEUSER ..... St. Paul, Minn.

TERMS EXPIRE JUNE, 1914.

THOMAS SHAW ..... St. Paul, Minn.
A. D. THOMSON ..... Duluth, Minn.
A. R. CHACE ..... Marshall, Minn.
THOMAS B. JANNEY ..... Minneapolis, Minn.
O. A. ROBERTSON ..... Minneapolis, Minn.

TERMS EXPIRE JUNE, 1915.

REV. H. C. SWEARINGEN, D. D. ..... St. Paul, Minn.
R. A. KIRK ..... St. Paul, Minn.
REV. JOHN E. BUSHNELL, D. D. ..... Minneapolis, Minn.
WATSON P. DAVIDSON ..... St. Paul, Minn.
P. L. HOWE ..... Minneapolis, Minn.

T. MOREY HODGMAN, ex-officio ..... St. Paul, Minn.

Committees of the Board.

Executive Committee.

THOMAS SHAW, Chairman
B. H. SCHRIBER, Secretary
T. B. JANNEY
R. A. KIRK
R. C. JEFFERSON
H. C. SWEARINGEN
T. M. HODGMAN

Committee on Endowment.

R. A. KIRK
T. M. HODGMAN
GEORGE D. DAYTON
H. C. SWEARINGEN
THOMAS SHAW
G. W. WISHARD
R. C. JEFFERSON

Committee on Instruction.

T. M. HODGMAN, ex-officio
H. C. SWEARINGEN
T. B. JANNEY
JOHN E. BUSHNELL
R. A. KIRK

Committee on Property.

R. C. JEFFERSON
T. M. HODGMAN
R. A. KIRK
B. H. SCHRIBER

Finance Committee.

R. C. JEFFERSON
R. A. KIRK
T. M. HODGMAN
T. B. JANNEY
B. H. SCHRIBER

Auditing Committee.

B. H. SCHRIBER
G. W. WISHARD
P. L. HOWE

Committee on Commencement.

H. C. SWEARINGEN
B. H. SCHRIBER
T. M. HODGMAN

Committee on Budget.

P. L. HOWE
R. C. JEFFERSON
T. M. HODGMAN

College Faculty.

THOMAS MOREY HODGMAN, A. M., LL. D., President, Mathematics.

A. B., 1884, University of Rochester; A. M., 1890; LL. D., 1907. Graduate student in Mathematics in Chicago University and Cornell University. Associate Professor of Mathematics in University of Nebraska, 1884-1904. Professor of Inspection and Director of Summer Session, University of Nebraska, 1904-1907. Elected President Macalester College, February, 1907.

Residence, 476 Ashland Ave. N. W. Dale 2450.

JAMES WALLACE, Ph. D., Professor of Bible. Head Professor of Bible Training Department.

Chair endowed by Mr. Frederick Weyerhaeuser.

A. B., 1874, University of Wooster; A. M., 1877; Ph. D., 1887; LL. D. Adjunct Professor of Greek and Principal of the Academy, University of Wooster, 1876-1886. Student in Greece, 1875-1876. Greek Language and Literature, Macalester College, 1887-1906. President, Macalester College, 1894-1906. Leave of absence, 1907-1909. Professor of Bible, 1909——.

Residence, 1641 Laurel Ave. N. W. Midway 2178.

ANDREW WORK ANDERSON, A. M., Professor of Philosophy and Education.

A. B., University of Wooster 1889; A. M., 1892. Principal of Poland (O.) Academy, 1889-1891. Mental Science, Logic and Philosophy, Macalester College, 1891——.

Residence, 1658 Lincoln Avenue.

DAVID NEWTON KINGERY, A. M., Professor of Mathematics and Astronomy.

A. B., Wabash College, 1893; A. M., 1899. Teacher of Mathematics and Science, Bluffton (Ind.) High School. Mathematics and Astronomy, Macalester College, 1896——.

Residence, 135 Amherst Ave.

JULIA MacFARLANE JOHNSON, A. M., Dean of Women, Professor of English Literature and Old English.

Graduate of Mt. Holyoke, 1885. Student, University of Pennsylvania, 1887-1888. Student, University of Cincinnati, 1889-1890. A. M., University of Minnesota, 1905. Professor of Latin Language and Literature in Coates College, 1890-1893. Graduate student, University of Minnesota, 1905——. English Literature and Old English, Macalester College, 1897——.

Residence, Wallace Hall. N. W. Midway 535.

HENRY DANIEL FUNK, A. M.,

Professor of History.

Student Dubuque German Theological Seminary, 1891-1897. A. B., Macalester College, 1901. A. M., University of Minnesota, 1903. Harvard Summer School 1903. Graduate student, University of Minnesota, 1904-1910. German Language and Literature, Macalester College, 1901-1910. Graduate student Harvard University, 1910. History, Macalester College 1911——.
Residence, 196 Vernon Ave. N. W. Midway 2129.

RICHARD URIAH JONES, A. B.,

Professor of Chemistry.

A. B., Macalester College, 1901. Graduate student, University of Minnesota, 1901-1902. Graduate student, University of Chicago, Summer Quarters, 1908 and 1909. Instructor in Mathematics and Physics, Macalester Classical Academy, 1901-1903. Chemistry and Physics, Macalester College, 1903-1906. Chemistry, Macalester College, 1906——.
Residence, 1257 Lincoln Ave. N. W. Midway 940.

HUGH STUART ALEXANDER, A. M.,

Professor of Physics and Geology.

A. B., Macalester College, 1899. A. M., University of Minnesota, 1905. Teacher of Physics and Chemistry, Cleveland High School, St. Paul, Minn., 1899-1906. Physics, Macalester College, 1906——.
Residence, 1596 Summit Ave. N. W. Midway 1080.

JOHN PORTER HALL, A. B., Registrar,

Professor of Greek and Principal of Baldwin School.

A. B., Princeton University, 1897. Adj. Professor of Greek, Macalester College, 1897-1903. Instructor in Greek, Princeton University, 1903-1905. Greek, Macalester College, 1906——.
Residence, 1668 Princeton Ave.

GEORGE WILLIAM DAVIS, Ph. D., D. D.,

Professor of Hebrew Language and Literature. Social and Political Science. College Chaplain.

Graduate Victoria University, Manchester, England, 1882. Graduate Auburn Theological Seminary, 1886. Graduate student, Yale University, 1888-1890. Ph. D., (Yale) 1891. Professor Macalester College, 1892-1899. D. D., Macalester College, 1901. Student College de France, Paris, 1899-1901. Pastor, 1901-1907. Professor, Macalester College, 1907——.
Residence, 2268 Blake Ave. N. W. Midway 1152.

GLENN CLARK, A. M.,

Professor of English.

A. B., Grinnell College, 1905; A. M., Harvard University, 1908. Principal Oak Park High School, Des Moines, Ia., 1905-1906. Instructor, North Des Moines High School, Ia., 1906-1907. Professor of English, William and Vashti College, Aledo, Ill., 1908-1912. Professor of English, Macalester College, 1912——.
Residence, 1838 Grand Ave. N. W. Midway 1620.

FREDERIC GIBBS AXTELL, A. M.,

Librarian. Associate Professor of Bibliography.

A. B., 1888, Wesleyan University; A. M., 1891. Graduate student in long semester, 1901-1902, University of Berlin. Graduate student in Summer Quarter, 1905, University of Chicago. Librarian Macalester College, 1903——. Associate Professor of Bibliography, 1909——.

Residence, 156 Cambridge Ave.

FRANKLIN WATERS PLUMMER, A. B.,

Associate Professor of Biology. Director of Athletics for Men.

A. B., Wabash College, 1908. Graduate student in University of Minnesota, 1908-1909. Student St. Paul College of Law, 1910-1913. Instructor, Macalester College, 1908-1910. Associate Professor of Biology, 1910——.

Residence, 1650 Princeton Ave.

HAROLD OMER BURGESS, A. B.,

Associate Professor of Latin Language and Literature.

A. B., Wabash College, 1908. Graduate student University of Minnesota, 1910—. Principal New Market, Ind., High School, 1905-1907. Principal, Remington, Ind., High School, 1908-1909. Superintendent, Remington, Ind., School, 1909-1910. Associate Professor of Latin Language and Literature, Macalester College, 1910——.

Residence, 1665 Lincoln Ave. N. W. Midway 2512.

CHARLES BREMICKER, A. B.,

Associate Professor of German.

A. B., Macalester College, 1911. Student in Gymnasium, Unterbarmen, Germany, Blackburn University, 1883, Dubuque German Seminary, 1884-1886. Graduate of McCormick Theological Seminary, 1888. Graduate student, University of Berlin, 1896.

Residence, 1507 Selby Ave. N. W. Midway 2310.

GRACE BEE WHITRIDGE,

Adjunct Professor of Dramatic Art and English. Physical Director for Women.

Graduate of Boston School of Oratory, 1890. Post-Graduate student of Boston School of Oratory, 1891. Student Harvard University, 1892. Graduate New York Academy of Dramatic Art, 1899. Student Columbia University, 1901, 1902, 1904.

Residence, 654 Hague Ave. N. W. Dale 301.

FARQUHAR DAVID McRAE, Ph. D., D. D.,

Adjunct Professor of Apologetics and History. Student Pastor.

A. B., Park College, 1887. A. M., New York University, 1893. Ph. D., New York University, 1896. D. D., Park College, 1910. Graduate of the Union Theological Seminary, 1890. Instructor in Apologetics, Macalester College, 1907——.

Residence, 41 Macalester Ave. N. W. Midway 537.

MAY GIBSON, A. M.,

Adjunct Professor of Latin.

University of Minnesota, A. B. 1905; A. M. 1910. Instructor in Latin and German, Alexandria, (Minn.) High School, 1906-1908. Instructor in Latin and English, Baldwin School, 1908-1910. Instructor in Latin, Macalester College, 1910——.

Residence, 312 17th Ave. S. E., Minneapolis, Minn.
N. W. East 2985.

LILY ISABEL LEWIS,

Instructor in French and German.

Student, Munich, Germany 1890-1894; Lausanne, Switzerland, 1894-1897; University of Minnesota, 1911——. Teacher of Foreign Language, Minneapolis School of Music, Oratory and Dramatic Art, 1909-1910; French and Singing, Eleanor Miller School, St. Paul, 1909-1910. Instructor in French, Macalester College 1910——.
Residence, 191 Macalester Ave. N. W. Midway, 1084.

GERTRUDE CRIST,

Secretary to Faculty, President and Registrar.

Graduate, 1903, Central High School in the Scientific Course. Graduate, 1904, Lancaster Business College. Instructor in Lancaster Business College, 1904-1905. Instructor in Commercial Studies, Baldwin School, 1905——.
Residence, 1230 Dayton Ave. N. W. Midway 658.

Executive Committee.

GEORGE W. DAVIS. D. N. KINGERY. GLENN CLARK.

Athletic Coaches.

F. W. PLUMMER .....Director
ROGER WILSON .....Football and Track
JOHN P. HALL .....Baseball
H. O. BURGESS .....Basket Ball

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R. U. JONES
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H. O. BURGESS
JAMES WALLACE
H. S. ALEXANDER
HARRY PHILLIPS

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Library.

F. G. AXTELL
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D. N. KINGERY
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F. D. McRAE
CHARLES BREMICKER
H. D. FUNK
JAMES WALLACE
JULIA M. JOHNSON
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DR. HARRY N. WILSON

Dormitory.

JULIA M. JOHNSON
GRACE B. WHITRIDGE
THE PRESIDENT
R. U. JONES

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THE PRESIDENT
H. S. ALEXANDER
R. U. JONES
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S. M. COOKMAN
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H. D. FUNK
MAY GIBSON
JAMES WALLACE
PAULINE PAYNE
GERTRUDE CRIST, Sec'y

Advisers.

A. W. ANDERSON — H. O. BURGESS
JAMES WALLACE — R. U. JONES
H. D. FUNK — H. S. ALEXANDER

College Council.

THE PRESIDENT — F. D. McRAE
J. P. HALL — GRACE B. WHITRIDGE
J. MERTON SNYDER ..... Senior Representative
LLOYD GILMORE ..... Junior Representative
ROSS H. WILLMERT ..... Sophomore Representative
JESSIE McCLURE ..... Freshman Representative
MIRIAM WALLACE ..... Academy Representative
J. W. FREEMAN ..... Academy Representative

Other Officials.

Housekeeper of Wallace Hall ..... ALICE M. CLOUGH
Steward of Edwards Hall ..... E. H. METAG
Steward of Eutrophian Hall ..... ELMER TROLANDER
Steward of Uta Ota Club ..... RALPH ROSS
Steward of Euthenian Club ..... GEORGE JENSEN
Head Engineer ..... SAMUEL M. COOKMAN
Assistant Engineer, Wallace Hall ..... G. O. CHASE
Assistant Engineers, Main Building ..... DEL LAUGHLIN
R. H. ANDERSON
Head Janitor ..... L. C. WEIR

General Information.

Historical Sketch.

Macalester College is the outgrowth of the Baldwin School of St. Paul, projected by Rev. Edward D. Neill, D. D., as far back as 1853; and of a similar institution opened in 1873 by the same gentleman in Minneapolis. In 1874 Charles Macalester, of Philadelphia, donated to this school the valuable property known as the Winslow House, near the Falls of St. Anthony, with the understanding that as soon as possible it should be developed into a college. In his honor the institution was named Macalester College. Until 1880 it was an undenominational school. In October of that year it was adopted by the Synod of the Presbyterian Church of Minnesota. In 1883 a syndicate of the trustees bought the present site and gave it to the Board of Trustees. The first building thereon was erected in 1884 and the college was opened September 15, 1885.

Rev. Dr. Neill, the founder of the college, born in Philadelphia in 1823, was graduated from Amherst in 1842. After completing his theological studies under Rev. Albert Barnes, he came west, and in 1849, commissioned by the presbytery of Galena, Ill., came to St. Paul as a missionary to the whites. Thereafter until his death (except during the Civil War) he devoted his time about equally to the work of Christian minister and educator. He was the first territorial superintendent of public instruction and the first chancellor of the State University. He is the author of Neill's History of Minnesota, and also of valuable monographs on colonial history. He died September 26, 1893.

Next to Dr. Neill, in point of disinterested service for the college, stands Rev. Daniel Rice, D. D. Edu-

cated at Amherst College and at Andover Seminary, after long and useful service in Ohio and Indiana, he came to Minnesota in 1875. The late years of his life (1879-1889) he devoted wholly and gratuitously to the upbuilding of this institution of which he was an honored trustee and professor.

Others most actively interested in the establishment of Macalester College were William C. Baker, Richard Chute, W. W. McNair, John S. Pillsbury, Judge C. E. Vanderburgh, Rev. J. C. Whitney, Hon. Eugene M. Wilson, Rev. Robert F. Sample, Henry J. Horn, Henry M. Knox, H. L. Moss, ex-Governor Alexander Ramsey, Chas. T. Thompson, Robert P. Lewis, H. K. Taylor, Thomas Cochran, and Major B. F. Wright. Later, the college found warm friends and supporters in Rev. David James Burrell, D. D., and Rev. J. B. Donaldson, D. D., for several years president of the Board of Trustees. This list would not be complete without mention of the name of James Wallace, Ph. D., acting president 1894-1900 and president 1900-1906, whose faith and loyalty never faltered during the dark days following the panic of the early nineties. A number of the trustees were honored sons of Eastern colleges, such as Amherst, Hamilton, Williams, Lafayette, University of New York and Union. The purpose, therefore, in the minds of these men was to build up in the Northwest an institution after the noble character and aims of these institutions whence they came. This was their ideal.

From the beginning Macalester College was burdened with debt, and although, under the leadership of Dr. James Wallace and Rev. David C. Platter, financial secretary, this debt was considerably reduced, yet, on account of the hard times of the nineties, it had, by June 1898, risen to $180,000. Again, under Dr. Wallace's administration, with the energetic assistance of Robert A. Kirk, Thomas Shaw, and Rufus C. Jefferson,

the board was reorganized, the debt liquidated, and efforts for a permanent endowment begun. By February 1907, pledges had been made amounting to about $175,000.

Dr. James Wallace resigned the presidency June, 1906, and in January, 1907, Thomas Morey Hodgman of the University of Nebraska was elected president. On July 1st, 1911, the trustees certified that a total of $467,000 had been given; that of this total, $307,000 was invested in endowment securities and $160,000 in Wallace Hall and Carnegie Science Hall; that total assets were then $670,000; and that Quail, Parker & Co., Certified Public Accountants, had audited the financial accounts and standardized the method of bookkeeping. The chief gifts were $75,000 from the General Education Board, $50,000 from Mr. Andrew Carnegie, $50,000 from Mr. James J. Hill, $50,000 from Mr. Frederick Weyerhaeuser, $25,000 from Mr. O. A. Robertson and over $75,000 from the Trustees. The debt of gratitude which church and college owe those who clung to the institution and who came to its help in the dark days—many of them are still members of the Board of Trustees—is not yet fully appreciated and can never be repaid. The patience, devoted loyalty and heroic sacrifices wrested a great victory out of apparent defeat.

Macalester College celebrated its quarter centennial June, 1910 with impressive ceremonies. By direction of the Board of Trustees and at the expense of the College, a History of Macalester College was published by Professor Henry D. Funk.

Macalester College sets, for its ideal of efficiency, an endowment of $1,000,000, a plant of $500,000 and a maximum attendance of 500 college students. Its most pressing needs are more endowment, a gymnasium

for men, a central heating and power plant, and a library building.

The trustees are now prosecuting a campaign for $250,000 of additional endowment. Toward this sum $135,000 has been pledged and the remainder is confidently expected before July 1, 1913.

The standing of the College is shown in the prominent men who have served as Commencement speakers in recent years:

Commencement Orators: Dr. J. W. Cochran, 1909; Dr. Booker T. Washington, 1910; Bishop John H. Vincent, 1911; Hon. W. J. Bryan, 1912; Dr. David Starr Jordan, 1913.

Baccalaureate Preachers: Dr. Geo. E. MacLean, 1910; Dr. Geo. L. Robinson, 1911; Dr. H. C. Swearingen, 1912; Dr. John H. Dewey, 1913.

Presidents of the College.

Rev. Edward Duffield Neill, D. D., 1873-1884.
Rev. Thomas A. McCurdy, D. D., 1884-1890.
Rev. David James Burrell, D. D., 1890-1891.
Rev. Adam Weir Ringland, D. D., 1892-1894.
Prof. James Wallace, Ph. D.,
Acting President, 1894-1900; President 1900-1906.
Prof. Thomas Morey Hodgman, M. A., LL. D., Feb., 1907—.

Form of Bequest.

The corporate name of the institution is Trustees of Macalester College.

Legal Form of Bequest—I give and bequeath to the Trustees of Macalester College of St. Paul, Minn., duly incorporated under the laws of Minnesota, the sum of ..... dollars.

CARNEGIE SCIENCE HALL

Location.

Macalester College is located in Macalester Park, St. Paul, a beautiful suburb in the so-called Midway district. The location is favorable for study, for the development of a pure and wholesome college life, and for careful supervision of the conduct of students. Easy access to the Twin Cities is afforded by the Grand Avenue and Snelling Avenue electric lines—the latter of which connects with all four interurban lines. This combination of college and city life is a unique advantage to Macalester students. The cultural opportunities which the public libraries, churches, lecture courses and musical entertainments of these cities offer, are important and react most beneficially upon both faculty and students.

Campus.

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue, a fine boulevard two hundred feet in width, which connects the Twin Cities. The College buildings, eight in number, are situated on the north half of the campus, while the ample athletic field, grove of oaks and ice skating rink occupy the southern half.

Buildings and Equipment.

The Main Building is of brick, one hundred feet long and fifty feet wide, three stories high with basement, and contains class rooms, society halls, men's gynasium, library, auditorium and executive office. The building is heated by steam and provided with its own electric light plant.

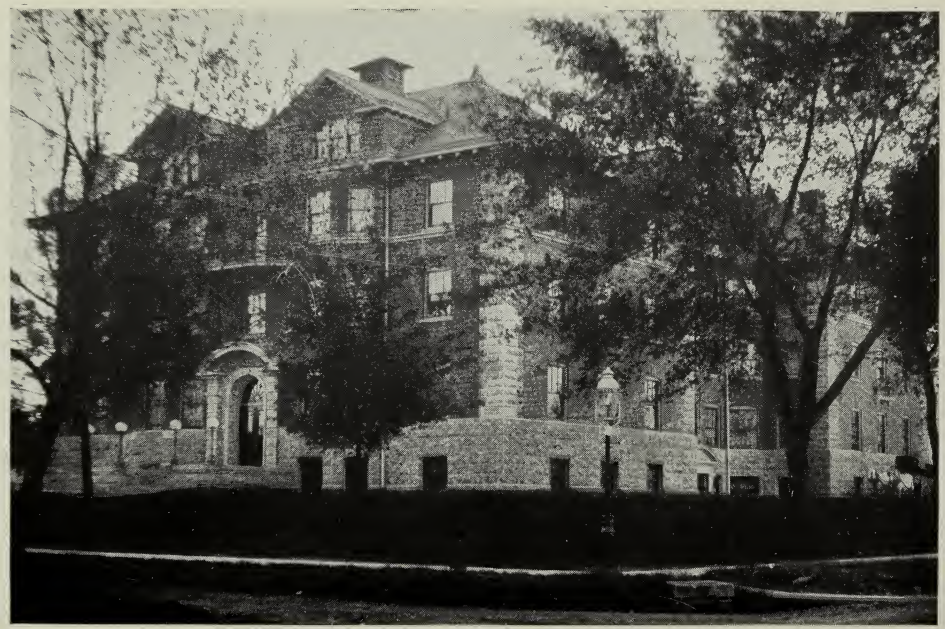
The Carnegie Science Hall, the gift of Mr. Andrew Carnegie, is a three story building with a full height basement. It is essentially fire proof, being constructed of reinforced concrete and brick. The exterior is of

colonial brick with trimmings of Bedford limestone. The floors are of maple over reinforced concrete except those of the halls which are of cement with terrazzo borders. The interior finish and furniture are of birch. The basement contains a wood shop and a metal shop for manual training. The first floor is devoted to physics and mineralogy; the second to biology, mathematics and astronomy; and the third to chemistry. The entire building is electrically lighted and steam heated. Ventilation is of the most approved type. Pure air passes into the basement over steam coils and is driven through the building by electric fans. In the attic another fan draws out the foul air. Electrical connections are provided in all of the lecture rooms for both direct and alternating currents for projection as well as for general demonstration and lectures. Light is abundant and well directed. For its size and purpose this building has no superior.

Museum.—In the Science Hall is the Museum, small at present but growing. The Lewis Collection of Indian relics is rare and valuable, as is also the Educational Collection of marine invertebrates and fishes contributed by Smithsonian Institution, Washington, D. C. Friends are invited to keep in mind the importance of a museum in educational work.

The Men's Dormitory is a three-story brick building, ninety feet long by thirty-eight feet wide. The second and third floors contain twenty double rooms designed to accommodate two students each. The rooms are furnished with plain, substantial furniture, are well lighted and thoroughly comfortable. This hall is for men exclusively. The building is heated by steam, and lighted by gas. Students must care for their own rooms or arrange with some one to do so.

Wallace Hall is a new building for women, situated at the corner of Summit and Macalester avenues, and so arranged that sunlight falls into every room. In



WALLACE HALL. WOMEN'S DORMITORY

addition to the students' rooms there are elegant parlors, a dining room that seats one hundred, and a large gymnasium in the basement. The classes for the physical training of women are held here. It is heated by steam, lighted by electricity, has hot and cold water in every room, shower and tub-bath facilities. It accommodates eighty students. The whole building has every modern appointment and is absolutely fireproof. It is believed that no building of its kind west of Chicago can approach it or be compared with it in plan and equipment. Choice of rooms will be given in order of application.

Edwards Hall is a substantial three-story commons for men, on Macalester Avenue, one block south of the college. It is named after W. C. Edwards, of St. Paul, through whose liberality it was erected. It sets tables for seventy-five. The students in this building form a club and manage the boarding department under a matron and other officers of their own choice, subject to the general supervision of the faculty.

Moss Hall, named in memory of Henry L. Moss, an early trustee, is a frame dormitory at the corner of Summit and Snelling avenues. It is heated by a furnace, lighted by gas, and accommodates twenty-five men. It has bath room, lavatory and toilet facilities. The kitchen and dining room are managed on the cooperative plan by the Eutrophian Hall Club. The rooms are furnished similarly to those in the men's Brick Dormitory. This building is under student government.

Taylor Cottage, named in memory of H. Knox Taylor, a trustee and treasurer, is a frame building similar to Moss Hall, and used at present as a professor's residence.

Euthenian Hall, corner of Lincoln and Snelling avenues, is a commodious and attractive dormitory, leased by a club of men and under the management of

its officers. It lodges twenty students and has dining room facilities for twenty-five.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus, used as a practice hall by the School of Music. It contains sixteen rooms, heated by steam and lighted by gas.

Heat, Light and Power Plant.—A central plant containing two boilers, an engine and a dynamo, supplies the Main Building, the Men's Dormitory and the Science Hall with steam heat, electric light and power.

Shaw Field.—Provision for the encouragement and development of outdoor athletics has been made by the construction of the Thomas Shaw Athletic Field. This contains four acres of the campus lying directly south of the main building and is inclosed by an iron fence. A quarter mile track twelve feet wide with turns on a hundred foot radius is one of the important features of the field. This track is on a dead level and has a foundation of coarse cinders five inches deep, on top of which is a layer of fine surfacing cinders two inches deep. The part of the field inclosed by the track is laid out as a football and baseball field and also provides room for an outdoor basketball field. The whole area within the track is perfectly level and with the exception of the diamond is seeded down with a special mixture of lawn grass seed which will stand the rough usage athletic fields naturally receive.

On the east side of the field between the fence and the track lies an elevated strip about thirty feet wide along which a series of bleachers is being constructed. These are to be in units having a seating capacity of about five hundred each.

The track in front of the bleachers has straight extensions at the corners which provide a straightaway track for all the short races, while just inside the curb the proper settings are provided for the pole vault, the running and broad jump and the discus throw.

Shaw Field, which was dedicated at the opening of the school year in 1909, was named in honor of Prof. Thomas Shaw, President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

The college buildings with their furnishings, laboratory equipment, library, together with the campus, are conservatively valued at $372,842.

Library.

The Library contains about thirteen thousand volumes. The working collection is located on the third floor of the Main Building; less used books are on other floors. For greater security the Neill collection has been placed in the museum room in Science Hall; in this building also are department collections.

The Neill collection includes rare works in Puritan and Colonial history and theology, and in early American travels, together with examples of fifteenth and sixteenth century printing and valuable autograph letters.

The Dewey system of classification is used.

For maintenance of the Library there is set apart each semester one dollar of every tuition fee.

Henry L. Moss, a former trustee of the college, at his death in 1902, left his property for the support of the Library, subject to life use by Mrs. Moss. The income from this bequest is at present four hundred dollars.

Mr. Allen H. Stem of St. Paul contributes fifty dollars annually for the Reed & Stem alcove of art and architecture.

The alcove of economics receives twenty-five dollars annually from Mr. F. A. Hodgman of New York City, in memory of his mother, Mary Hurlbut Hodgman.

Annual gifts or permanent funds are desired for other alcoves—especially for education, political science, natural science, and biography.

The Library is open every school day during the college year, from eight until five o'clock and on Saturdays and holidays from two to five o'clock.

Easily accessible for reference work are the large collections of the St. Paul Public Library, the State Law Library and the Minnesota Historical Society Library. Circulation privileges in the first-named are enjoyed by Macalester students. The Minneapolis Public Library and the library of the College of Agriculture are occasionally consulted.

Incoming classes receive instruction in the care and use of books.

The following periodicals are on file in the Library or in the department libraries:

Advocate of Peace.
American Economic Review.
American Historical Review.
American Journal of Psychology.
American Journal of Sociology.
American Naturalist.
American Political Science Review.
Les Annales Politiques et Litteraires.
Annals of the American Academy.
Assembly Herald.
Association Men.
Atlantic Monthly.
Aus Nah und Fern.
Bible Society Record.
Century Magazine.
Christian Endeavor World.
Classical Journal.
Classical Philology.
Commoner.
Continent.
Country Life in America.
Current Opinion.
Dial.
Educational Review.
Expository Times.
Forum.
Harper's Magazine.
Herald and Presbyter.
Hibbert Journal.
Home Mission Monthly.
Independent.
Journal of Philosophy, Psychology and Scientific Methods.
Journal of Political Economy.
Journal of the Royal Microscopical Society.
La Follette's Weekly.
Literary Digest.
Littell's Living Age.
McClure's Magazine.
Missionary Review of the World.
Musician.
Nation.
National Geographic Magazine.
North American Review.
Outlook.
Phonographic World.
Political Science Quarterly.
Popular Astronomy.
Popular Mechanics.
Popular Science Monthly.
Presbyterian.
Presbyterian Examiner.
Progress.
Psychological Clinic.
Quarterly Journal of Economics.
Reader's Guide to Periodical Literature.
Record of Christian Work.
Religious Education.
Review of Reviews.
St. Paul Pioneer Press.
School Review.
Scientific American.
Scientific American Supplement.
Scribner's Magazine.
Sunday School Times.
Survey.
Woman's Work.
Woodcraft.
World's Work.
Yale Alumni Weekly.

Administration.

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to guard well their honor and that of the institution, and to maintain a wholesome esprit de corps.

Some regulations, however, are necessary, and when students matriculate it is understood that they thereby submit themselves to the government of the college and pledge themselves to support the same while they are members of the institution. They are expected, and, by virtue of their matriculation as students of the institution, are understood to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, daily morning prayers, and Sunday morning service, and to be diligent in preparation of all tasks assigned.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The dormitories are organized on the self-government plan under adequate faculty co-operation. A College Council, composed of student and faculty representatives, voices student opinion and cultivates student self-control. No finer tribute can be paid Macalester's students than this—that after five years of experiment both faculty and students regard student self-government as a gratifying success.

Registration.

Students are required to register by the beginning of each semester. A fine of twenty-five cents a day will be levied in case of tardy registration, unless remitted by the matriculation committee for satisfactory reasons, fines being imposed after the first day of commencement of classes.

A student who has failed in more than half the work of the first semester, counted by hours, may not register for the second semester.

The prospective student will facilitate registration by procuring from the College an application blank on which his principal or superintendent should fill in the student's credits. This blank should be mailed by the proper school authority to the Registrar by the first of September.

Examinations and Reports.

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester. Quarterly reports are made of Baldwin School students. If these are not received the fact should be reported to the Registrar.

Students who fail in term grade or in both the regular and delinquent examinations, must take the subject again in class.

For private and delinquent examinations a fee of fifty cents shall be paid for each examination to the Secretary of the Faculty, who shall thereupon issue a permit. Private examinations will be authorized by the faculty only, and for the most urgent reasons stated in writing.

Examinations for delinquents will be held on the second Monday after the first Wednesday of each semester at 2:20 p. m. Attendance upon these examinations is obligatory.

Degrees.

Graduates from the Classical course receive the degree of B. A.; those from the Scientific course the degree of B. S.

No student shall be entitled to graduate who shall not have been attending the College at least one year.

Prizes and Scholarships.

Noyes Prize.—Mrs. D. R. Noyes has given $1,000 the interest on which is used as prizes for student scholarship. To this the Trustees this year add $50. Last year the senior prize was awarded to Marion B. Jones, the junior to Vera M. Zimbeck and the sophomore to Joseph R. Neller.

Stringer Prize.—Through Mr. E. C. Stringer of St. Paul, the College is able to offer an annual prize of twenty-five dollars, to be given to that student of the College, who, having not fewer than fourteen recitations a week, takes the first place in the preliminary oratorical contest mentioned above, and represents the college in the state contest. Awarded last year to Arthur E. Nelson.

Debate Prize.—House of Hope attorneys offer a prize of thirty dollars, to be distributed to the six students who win positions on the state intercollegiate teams. The winners last year were B. P. Holt, H. G. Bosley, L. H. Watkins, Lloyd Gilmore, W. E. Scott and P. E. Sargent.

Shaw Scholarship.—Given by Prof. Thomas Shaw of St. Paul, to the nominee of the Central Presbyterian Church of St. Paul, yielding $50 per annum. Held this year by Lucia Brown.

Silliman Scholarship.—Offered by Mr. H. B. Silliman of Cohoes, N. Y., and yielding $50 per annum. Awarded this year to Del Laughlin.

Williams Brothers' Scholarship.—Louis H. and Charles R. Williams of Minneapolis have given $1,000, the income from which is for the aid of a student selected by the faculty. Held this year by Alice L. Lindsley.

Webb Scholarship.—Mr. E. A. Webb has given $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church of St. Paul. Held this year by Vergil H. Guthrie.

Winona Scholarship.—The First Presbyterian Church has given $1,000, the interest of which is to aid a candidate nominated by this church. Held this year by Irving H. Williams.

Biology Scholarship.—Two eminent surgeons contribute $50 a year to aid a student in the department of Biology to be selected by the head of this department. This scholarship becomes effective next year.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry.

Honorary Scholarships of $50 each are offered to the first ranking student among the young men and also among the young women in each graduating class of an accredited four-year High School, provided that the superintendent certifies that such students are of honor grade.

Rhodes Scholarships.—"In order to keep this well known bequest before the minds of present or prospective students it is briefly mentioned. Circulars of full information can be obtained at the President's office. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sophomore year of study may be a candidate for one of the Minnesota scholarships. This insures to the winning contestant a three years' residence in Oxford University, England."

Student Activities.

The Y. M. C. A. has a membership of about forty students. It holds its regular meeting every Tuesday

evening. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students. The president of this association is L. H. Watkins.

The Y. W. C. A. has this year increased its membership to seventy-five. Its regular meeting is held every Tuesday evening. There is also a flourishing mission-study class. The president of the association is Ray Simons.

Literary Societies.—In the college there are four literary societies under the general oversight of the faculty. The Hyperion society admits to membership both men and women; the Athenaean and Eulogian societies admit men and Clionian society, women.

In Baldwin School, the Parthenon society is open to all students.

In the Music School, the Euterpean society is open to music students.

No literary society or other student organization may be established without the consent of the faculty.

Oratorical Association.—This association seeks to promote an interest in Oratory. The interests of the college in the state association are under the control of this association. By means of a preliminary contest it selects one member to represent the college at the state oratorical contest. O. E. Alm took first place in the last local contest.

Debating Board.—This Board is composed of three representatives from the faculty and one representative from each literary society and each class of the college. It has charge of all matters relative to debating. A triangular league has been organized this year consisting of St. Olaf College, Hamline and Macalester. Each college has one affirmative and one negative team, which debates the same question, on the same date, one debate being held at each college. Macalester's teams, chosen from preliminary contests, are: Affirma-

tive—H. E. Clark, Del Laughlin and G. R. Collins; negative—H. F. Softley, P. E. Sargent and B. P. Holt. The affirmative team debated St. Olaf at Macalester, the negative team, Hamline at Hamline. The question was, "Resolved, That corporations doing interstate business be required to take out federal charters."

French Club.—This is composed of interested students in the department of French and meets each month for improvement in the French language and literature. Readings, recitations, songs, games and plays, all in French, constitute the programs.

Education Club.—This is an organization of students interested in the advancement of pedagogic training. Students in the Education department and those who have had actual experience in teaching are eligible to membership.

Physical Training and Athletics.

Athletics and careful physical training are encouraged, and three dollars of the tuition fee for each semester are set apart for the support of athletics. Students are thereby entitled to admittance to all athletic contests and to the use of the gymnasium and skating rink. The athletic field is enclosed, and contains about four acres. There are a number of lawn tennis courts. A large skating rink has been provided in the midst of the oak grove at the south of the campus, and has been very popular. Classes in physical training are conducted for young women in the gymnasium of Wallace Hall. Attendance is required of freshmen. A trained coach for gymnasium and field sports for men is provided. The physical director is a regular member of the faculty.

Teachers' Bureau.

The college maintains a reliable teachers' bureau as a means of communication between graduates and superintendents and school boards desiring competent

teachers. Graduates will not be recommended to positions for which they do not give good evidence of fitness. This service is given without charge. Those desiring to make inquiry in regard to teachers should address The Teachers' Bureau, Macalester College, St. Paul, Minn.

Publications.

The following publications are issued from the college:

The College Catalogue, which is one number of **The Macalester College Bulletin**, a quarterly paper devoted to the advertisement and advancement of the institution.

Junior Annual, a yearly publication devoted to college interests, published by the junior class of the college.

The Macalester Graduate, published monthly, except in July, August and September, by the Macalester College Alumni Association.

Expenses

Students' fees are paid at the beginning of each semester, before completion of registration and strictly in advance, as follows:

	College.	School.
Tuition, Regular student	$25.00	$21.00
Special student (8 hours or less)	15.00	
Special student (10 hours or less)		13.00
Special fees—		
Biology	3.00	1.50
Physiology	1.50	1.50
Chemistry	5.00	5.00
Physics	3.00	1.00
Geology	1.00	
Shop Work	4.00	3.00
Homemaking	1.00	
Mechanical Drawing	.50	
Commercial	.50	.50
Diploma	5.00	3.00

No deductions are made except for sickness lasting a month or more.

Refunding Tuition.—If a student leaves the institution at any time after entrance without the approval of the faculty or because he has been suspended or dismissed, no money is refunded. Those withdrawing for other reasons, on or before the middle of a semester, will be allowed an equitable percentage on tuition paid.

Special Rates.

1. Sons and daughters of ministers of any denomination are allowed a rebate of eight dollars each semester on college and seven and a half dollars on school tuition.

2. All candidates for the ministry of whatever church or denomination, are allowed a rebate of eight dollars each semester on college and seven and a half dollars on school tuition upon the following conditions:

(1) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the treasurer certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(2) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated in the event of their abandoning their purpose to enter the ministry.

The above concession, though made at a great sacrifice to the college, is offered cheerfully and with the purpose of enhancing, as far as possible, the usefulness of the college. It is, however, justly expected of those who are thus helped that they will be faithful in promoting, as far as in their power, the welfare of the institution and that they will complete their course of study at this institution.

3. When more than one person from the same family attend college at the same time a rebate of $4.00 on college tuition fee and $3.75 on school tuition fee will be allowed to each person after the first. This rule does not apply to those receiving other privileges or rebates.

Rooms and Board.

Room rents for all college buildings and board at Wallace Hall are to be paid in advance each month of 28 days. Otherwise rooms must be vacated.

Wallace Hall for Women
Board per week, each person.....$4.00
Room rent per week, each person.....$1.25 to $2.00
Eutrophian Hall for Men
Room rent per week, each person.....$1.00
Men's Dormitory
Room rent per week—corner rooms.....$1.00
Room rent per week—inner rooms..... .75
For each person.
All rooms have two occupants and the rentals include light and heat.
Men students board at Edwards, Eutrophian, Euthenian and Uta Ota Clubs, or in private families. Board costs on an average 50 cents a day or $3.25 to $4.00 a week.
Room rents in private families per month, $4.00 and up

Each student in the College dormitories is required to deposit $2.50 (including deposit for key) as a guarantee against damage to college property, and to make it up to that amount at the opening of each semester thereafter. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done in dormitories by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave the dormitory.

Rooms.

(1) **Furniture.**—All rooms in men's dormitories are furnished with bedsteads (two-thirds size), mat-

tresses, pillows, dresser stand, bowl, and pitcher, study-table, book-shelves and three chairs. Students in the dormitories must provide their own bed clothing, towels, napkins, and carpets or rugs. In Wallace Hall there are single iron beds, mattresses, pillows, dresser, study-table, two rockers, two study chairs, a lavatory with hot and cold water, steam heat and electricity. Floors are of hard wood.

(2) Application.—Application for room in the dormitories should be made as early as convenient to the President, enclosing $1.00, which will be applied on room rent. Applicants should state in which hall they desire a room. Rooms will not be held later than the opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come, the money advanced will not be returned. Rooms will be assigned in the order of application.

No deduction is made for vacations during school year. Students are charged for their rooms till they are formally vacated—whether continuously occupied or not—and keys surrendered.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Students who are in arrears at the end of any semester will be refused credits for the semester's work until all bills incurred by them have been paid; also future registration will be denied and no class work allowed until settlement satisfactory to the treasurer has been made.

Self-Support.

Students desiring to do something towards defraying their own expenses can usually find some way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned

their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way through college, provided the long summer vacation is improved to increase his income.

The Y. M. C. A. employment bureau has been organized to assist students in finding work. There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the new-comer is cheerfully made. Address all communcations to Chairman Employment Committee, Macalester College, St. Paul.

Telephone.

The college may be reached by the Northwestern Telephone, Midway 486. The President's residence, Dale 2450, Wallace Hall, Midway 535, Eutrophian Hall, Midway 171, Men's dormitory, Midway 320, Edward's Hall, Midway 2175, Euthenian Hall, Midway 1259.

COLLEGE OF LIBERAL ARTS.

The *men of experiment* are like ants—they only collect and use.

The *reasoners* resemble spiders, who make cobwebs out of their own substance.

But the bee takes a middle course; it gathers the material from the flowers, but digests it by a power of its own.

So *true philosophy* neither chiefly relies on the powers of the mind, nor takes the matter which it gathers and lays it up in the memory, whole as it finds it, but lays it up in the understanding, to be transformed and digested.

—*Francis Bacon.*

Courses of Study.

The College of Liberal Arts embraces the following general courses:

1. The Classical Course, leading to the degree of B. A.

2. The Scientific Course, leading to the degree of B. S.

On entrance, the student makes choice of one of the above courses. Thereafter, deviation from the course chosen must be with the approval of the faculty upon written application, stating reasons.

A total of 126 credits is required for graduation.

The following courses are required for both the B. A. and B. S. degrees:

(1) 16 credits of subjects listed under the Bible Training department. At least two credits must be secured each year.

(2) 6 credits in English 1.

(3) 6 credits in Social and Political Science and History.

(4) 5 credits in Mental Science 1.

33 credits required of all.

In the Classical Course, the following subjects, in addition to the above, are required for graduation:

(1) Latin, five years, four of which may be taken in high school or academy.

(2) Greek, German or French, four years, two of which may be taken in high school or academy.

(3) 12 credits in Science.

In the Scientific Course, the following subjects, in addition to the above, are required for graduation.

(1) 8 credits in Mathematics 1 and 2.

(2) Two years of a modern language in the college course unless student presents three units of a modern language, or two units of a modern language

and two units of another foreign language from high school or academy.

(3) In addition to the major, the student must have 18 credits from two departments of Science.

Each freshman must select one of the following courses:

Classical Course.	Scientific Course.
Bible.	Bible.
English 1.	English 1.
Latin 1.	Mathematics 1 and 2.
Greek, German or French.	Latin, Greek, German or French.
Elective, 4 hours.	Elective, 4 hours.

In the first semester of the freshman year registration is limited to sixteen hours.

Each student must elect before the beginning of the sophomore year, aside from the 38 credits listed above, one major and two minors from the fourteen following departments:

GROUP I.

1. English.
2. Latin.
3. Greek.
4. German.
5. French (minor only).

GROUP II.

1. Bible.
2. Philosophy and Education.
3. Social and Political Science.
4. History.
5. Expression (minor only).
6. Mathematics and Astronomy.

GROUP III.

1. Chemistry.
2. Physics (including shop 2 or 3 for major).
3. Biology.

A major consists of 20 credits in one department.

For B. A. degree, the major must be from group I or II.

For B. S. degree, the major must be from group III.

A minor consists of 12 credits in one department. At least one minor must be in a different group from

the major. The minors are subject to the approval of the adviser.

The following courses are not counted toward a major or minor: Chemistry 1, German 1 and 2, Greek 1A and 2A. In biology and physics students must present one year of high school work in order to begin a major or minor. Other requirements eliminate the following: English 1, Mental Science 1; Social and Political Science 1 and 3; Bible, all required courses.

No change in course of study is allowed without the consent of the instructor involved and adviser.

A student is classified conditionally as follows: freshman, on presenting 13½ units of high school work; sophomore, on removing one unit of entrance conditions and obtaining 24 credits; junior, on removing all entrance conditions and obtaining 54 credits; senior, on obtaining 90 credits. All conditions must be removed by the end of the first semester of the senior year.

No credit will be given for one-half year's work in one year courses unless some distinct phase of the subject is completed and the head of the department approves.

Upon the approval of the adviser, a student shall be permitted to attend not to exceed four hours a week in classes for which he is not regularly registered. No credit is allowed for such attendance.

The College does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar.

Each candidate for a degree shall be required to file with the librarian before April first preceding graduation an original thesis on some subject connected with his major, which thesis must be approved by the head of the department in which the major is taken.

The subject of the thesis shall be selected before the beginning of the second semester of the junior year.

The term **credit**, used in the following pages means one semester-hour, the equivalent of one hour recitation a week for one semester.

For information on courses offered, see the Departments.

Preparation for the Study of Medicine.—The courses in Biology and in Chemistry furnish excellent preparation for those who intend to study medicine.

Preparation for the Study of Law.—The courses in Social and Political Science, Argumentation and Constitutional History offer preparation for the study of law. Students desiring to study law, find excellent opportunity of doing so in evening classes at the St. Paul Law School.

Preparation for Teaching.—Attention is called to the courses in Education open to students who intend to teach. The College seeks especially to meet the needs of such. The courses in Psychology and Philosophy are thorough and extensive and relate themselves closely to Education. Courses are now offered in laboratory shopwork and the teaching of manual training. These courses afford prospective teachers of science or manual training an opportunity for practical experience.

Preparation for the Christian Ministry.—The Bible training department and the electives in Greek Testament, Philosophy, Ethics and History offer a course well adapted to those who have the gospel ministry in view. Those, too, who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

Senior Electives in Professional Schools.—Students intending to study for some profession, who are obliged to shorten their course in preparation, may in the fol-

lowing manner save one year while still obtaining their degrees. After completing three years of the college course and being enrolled for the fourth year, they may take the first year of a professional course in any school approved by the faculty, in place of the work of the senior year. This will be permitted subject to the following conditions: first, the required studies of the college must be completed in every case; secondly, a certificate must be presented from the professional school, showing the successful completion of the work of the first year in that school.

Partial Courses.—Students who are not looking forward to a degree may be admitted to select courses for which they have sufficient preparation.

Admission from High Schools and Academies.—Students from accredited four-year high schools and academies are admitted to the freshman class without condition, provided that credits to the amount of fifteen units are presented. By a unit is understood four or five recitation hours of not less than forty minutes each, carried for a year of thirty-six weeks. Students from unaccredited high schools and academies have their credits evaluated by the Matriculation Committee. Students coming with excess units, for which they desire credit on their college work are referred to the heads of departments for the evaluation of the excess work. In no case is more than half time allowed for such courses.

No college credit will be allowed on any subject taken in high-school or academy except after examination given by the college instructor in the department to which the subject belongs.

All credits from other institutions, for which the student wishes credit in this institution must be presented at the time of registration. Credits presented later from other institutions will not be considered.

Applicants for admission to the freshman class should apply to the Registrar for the Applicant's Admission Blank, which should be filled out by the principal of the high school or academy in which their courses were taken, and mailed by him to the Registrar, by the eighth of September.

A student submitting thirteen and a half units will be admitted as freshman, conditioned, and may make up deficiencies in Baldwin School. Unconditioned freshmen, who may lack certain preparatory studies necessary for the courses they wish to pursue, may take these studies in Baldwin School without extra charge for tuition. A five hour course so taken counts for four hours on the college course. Students intending to take the B. A. degree are advised to present the following ten units:

English 3	Algebra 1½
Latin 4	Geometry 1½

also of the following, enough to aggregate five units:

History 1 or 2	Physics 1
German 1 or 2	Civics ½
Greek 1 or 2	Physiology ½ or 1
French 1 or 2	Zoology ½ or 1
Chemistry 1	Physical Geography ½ or 1
Botany ½ or 1	Manual Training ½ or 1

Those wishing to take the B. S. degree are advised to present nine units in the following subjects:

Mathematics 3	German 2
English 4	Physics or Chemistry 1

also of the following, enough to aggregate six units:

Botany ½ or 1	Physiology ½
History ½, 1 or 1½	Greek 1 or 2
Zoology ½	Physical Geography ½ or 1
French 1 or 2	German 1 or 2
Manual Training ½	Civics ½

Students who are preparing to enter Macalester College and wish more definite suggestion respecting the course of preparatory study they should follow, will

find a course similar to the following well suited to their needs:

For the B. A. degree.	For the B. S. degree.
Composition and Rhetoric 2 units.	Composition and Rhetoric 2 units.
Literature 2 units	Literature 2 units
Algebra 1 or 1½ units	Algebra 1½ units
Geometry 1 or 1½ units	Geometry 1½ units
Latin 4 units	Latin 2 units
Greek or German 2 units	German 2 units
History and Civics 2 units	History and Civics 2 units
Natural Science 2 units	Natural Science 2 or 3 units

Candidates for Advanced Standing.—Students coming from reputable institutions of collegiate grade should present letters of dismissal and are then given standing in Macalester College, allowing a fair equivalent on the course here for work done elsewhere.

Student Advisers.—Six members of the faculty have been appointed by the Board of Trustees as Student Advisers. To one of these six professors each student is assigned, at the beginning of his sophomore year, according to the major subject selected. The adviser arranges the course of study in accordance with the vocation the student has in view. He is available for advice at a fixed office hour each week, notes the student's progress in class, and reports on each individual in his group at the end of the semester. The aim of this system of advisers is vocational direction, timely warning to laggards, more intensive and consistent courses, closer and more friendly supervision. These advisers are Professors Wallace in Religious Work, Anderson in Education and English, Funk in History and Political Science, Alexander in Professional and Technical vocations, Burgess in Ancient and Modern Language, Jones in Physical and Biologic Science.

Departments.

BIBLE TRAINING DEPARTMENT.

On the John C. Martin Foundation.

Professors Wallace, Davis, McRae and Anderson.

This department has two objects. First, to provide a well graded course of instruction in the Bible for all the students of the various classes. This emphasis on the study of the Bible is justified on the ground that it contains the message of Him who spoke the words of eternal life, who was himself the way, the truth and the life, because of its pure and lofty ethics, its social teachings, its unequaled literature, its influence on our own literature and law, and the value of its history. Second, to offer a substantial course of religious instruction for young men and women who wish to prepare themselves for some form of Christian activity as lay-workers. The church is entering on the era of the laity. Christianity is girding itself for the conquest of the world. Her call for workers is louder and more engaging than ever before. Her field is ripe for lay-workers of every kind, for missionaries and missionary teachers, for mission helpers, charity workers, pastors' assistants, secretaries in the Young Men's and Young Women's Associations, Bible readers, colporteurs and the like. To these classes of lay-workers the theological seminaries are not open. Besides, a training in the knowledge and use of the Bible is best secured in connection with the regular courses of study offered by the college, since to special students of this department is available instruction in other necessary branches such as general literature, expression, music, etc.

The courses in this department embrace the following:

1. **The Life of Christ.**—This is studied by means of a harmony of the gospels. By way of introduction, attention is directed to the political and religious condition of the time and to the characteristics and viewpoint of the gospel writers. By discriminating discussion of the teachings of Christ and a realistic presentation of the facts and incidents of his life an effort is made to deepen personal faith in Christ as the Savior of men and to bring the student into appreciation of Jesus as the master teacher of all time. Required, freshmen, first semester, two hours a week, two credits; elective, second semester, two hours a week, two credits.

2. **The Missionary Labors of the Apostles.**—These studies are based on the Acts of the Apostles and in part on the New Testament Epistles. The external and internal growth of the early church is carefully traced and the whole movement is viewed as a continuance of the work of Christ through the agency of the Holy Spirit and of His inspired apostles. Required, sophomore, one year, one hour a week, two credits.

3. **Prophets of Israel.**—This course consists of a thorough study of the prophets, their place in the community, their functions and their messages. It is pursued inductively from the Bible text with the object of acquainting the student as fully as possible with the foreshadowings of the Christ. All the Messianic passages are carefully analyzed with reference to their historical background and in the order of their development. One year, two hours a week, four credits.

4. **The Literary Study of the Bible.**—This course includes a careful study of the Bible, viewed as literature. The rhetorical characteristics of the Hebrew language and the various literary forms of the Bible are closely examined. This done, various parts of the Bible best illustrating these forms and characteristics are

critically studied and drawn out in their proper literary form. As sound literary criticism is based on a thorough study of the thought and thought-connections, the literary study of the Bible proves in practice a very valuable aid to interpretation. It is for this reason, especially, that it is included in the course. The text book used as a basis is Moulton's Literary Study of the Bible, and special study is made of the book of Job, certain of the Psalms and selections from the prophets. Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

5. **The Social Teachings of the Bible.**—This course includes a survey of the social teachings of Christ, the apostles, the prophets and the Mosaic code. The object is to form a just estimate of the social message of the Bible and to apply, as far as may be, its social principles to the solution of current social problems. It is based mainly on Josiah Strong's Studies in Social Christianity, supplemented by wide collateral reading in the works of Raushenbush, Peabody, Mathews, Schench, Brace, Keble (collection of lectures) and other works that seek to interpret and apply the social message of Christianity. Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

6. **Inter-Testament History.**—This course is intended (1) to trace the history of the Jews from Malachi to John the Baptist under the Persians, Greeks, Maccabees and Romans; (2) to trace the rise of the various Jewish sects. A knowledge of the outward political fortunes of the Jews, as well as the movement of Jewish thought in this period is of great importance for an intelligent understanding of the ministry of Christ and His apostles. Prerequisite, courses 1 and 2. First semester, two hours a week, two credits. Alternate years.

7. **Oriental History contemporary with the Old Testament.**—This course includes (1) a study of the history and religion of Babylonia, Assyria and Egypt; (2) the relation of this material to the explication of Old Testament history. The course is based on the histories of Winckler, Rogers, McCurdy and others. Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits. Alternate years.

8. **Biblical Pedagogy.**—This course includes: (1) a study of Jesus as a teacher—a careful consideration of the question, What made Him the Master Teacher of all time?—His mastery of the technique of educational methods as illustrated in the four Gospels; (2) methods of Bible study, teaching and of Sunday school work; (3) the influence of Christianity on the world's education. It is based mainly on the Master and His Method (Griffith-Jones), Jesus as a Teacher (Hinsdale), The Making of the Teacher (Brumbaugh), Teacher Training with the Master Teacher (Beardslie), supplemented by lectures. One semester, two hours a week, two credits.

9. **Review of Old Testament History.**—This is offered to college students who have had little or no opportunity of pursuing a consecutive study of Old Testament history before entering college. The object is to make a somewhat hasty review of Hebrew history from the conquest of Palestine under Joshua, down to the fall of Jerusalem, or a more careful study of such parts of this history as the class may prefer to pursue. One semester, two hours a week, two credits.

10. **Hebrew.**—The object of this course is to prepare students for advanced work in this subject as soon as they enter the seminary. The work embraces a thorough study of Genesis 1-8, including the grammatical principles of the language, acquisition of a good vocabulary, translation of English into Hebrew. One year, three hours a week, six credits.

11. Advanced Hebrew.—In the second year a critical study is made of one or more minor prophets including text, grammar, exegesis and history. Prerequisite, course 10. One year, two hours a week, four credits.

12. Apologetics.—This course aims chiefly at three things.

First, a brief exposition of Christian theism and an exhibition of its superiority in philosophy and in practice to the various opposing theories; deism, pantheism, materialism and agnosticism.

Second, a summary of the argument for historical Christianity and an examination of criticisms and objections, especially those of our own day.

Third, a rapid survey of the field of comparative religions with special reference to Hinduism, Buddhism, Zoroastrianism and Confucianism. First semester, three hours a week, three credits.

13. **The Philosophy of Religion.**—This course is supplementary to the course in apologetics. It aims to exhibit and defend a philosophic conception in harmony with the Christian religion. Prerequisite, course 12. Second semester, three hours a week, three credits.

For other studies embraced in the Bible Training Department see:

Greek Testament, under Greek.

Ethics, under Mental Sciences and Philosophy.

The Reformation Period, under History.

Old and New Testament Biography and History, in Baldwin School.

If requested by not less than five students an elective will be offered one hour a week through the year following the international Sunday school lessons. The aim of the elective is, (1) to study the setting of the lesson, (2) make careful analysis of the materials, (3) discuss the pedagogical teaching of the lesson.

BIOLOGY.

A large part of the second floor of the Carnegie Science Hall is devoted to biology. The main laboratory is at the north end of the building and accommodates thirty students at a time. In the courses offered, each student is furnished a microscope, necessary apparatus and suitable material, and is encouraged to do original investigation with suggestions from laboratory directions as an aid. The object of the methods used is to cultivate the powers of observation and deduction, as well as to give the student a thorough knowledge of structure, comparative anatomy, comparative physiology and present day views as to biological problems.

The research laboratory is equipped with a large electrical oven, a rotary and sliding microtome for cutting sections, and the more common reagents and stains for histological work. A very fine microscope with a mechanical stage and oil immersion lens is available for demonstrations. The prepared slides are being made as fast as good material and time will permit.

In the stockroom, models of different structures and illustrative material assist in the presentation of the work. An advanced laboratory contains a large aquarium together with other equipment for the work.

1. Botany.—A course in comparative botany, beginning with the lowest forms and finishing with a brief study of the flowering plants, together with a short course in practical field work. One year, six hours a week, eight credits.

2. Zoology.—A study of comparative zoology, from the protozoa through the vertebrata. Laboratory work includes a study of typical forms of each class. One year, six hours a week, eight credits. Not offered 1913-1914.

3. **Physiology.**—General physiology, including a brief study of anatomy, physiology, and hygiene, with particular reference to the human body. Lectures, text and laboratory work. Prerequisite, course 2 or equivalent. One year, three hours a week, six credits.

4. **Animal Histology.**—A course in minute anatomy, including methods used in permanent and temporary preparations of the various mammalian tissues. Prerequisite, course 2. First semester, one lecture and five laboratory hours a week, three credits.

5. **Animal Embryology.**—A study of the embryonic development of the chick. Prerequisite, courses 2 and 4. Second semester, one lecture and five laboratory hours a week, three credits.

CHEMISTRY.

The department of chemistry occupies the third floor of Carnegie Science Hall. The large south room is used for general chemistry and qualitative analysis. In the north end are two rooms; one is for organic chemistry and quantitative analysis and the other is a lecture room. The balance room is equipped with five good analytical balances and two others for coarser weighing. A combustion room has the necessary furnaces for combustion work. The research laboratory is used for special work with spectroscope, polariscope, refractometer, etc. The chemical library is kept in the office. The apparatus and chemicals necessary for thorough work in the courses offered are furnished. The laboratories are equipped with hoods, supply tables, cabinets and desks with water and gas. Special attention is given to a scientific method of observation and interpretation of results. Each student is required to make a complete and systematic record of all his investigations.

1. **General Inorganic Chemistry.**—The course includes a thorough study of the principal elements and their compounds, their occurrence in nature, preparation in the laboratory, etc.; also an introduction to the study of qualitative analysis. One year, six hours a week, eight credits.

2. **Advanced Inorganic Chemistry.**—This is a continuation of course 1, with an introduction to physical chemistry. Prerequisite, course 1. One year, five hours a week, six credits.

3. **Qualitative Analysis.**—Lecture and laboratory work, including the detection and separation of the metals and the identification of the acids. The last few weeks of the year are spent in the analysis of specimens of rock and earth. Instead of this, the student may make a study of materials used as paint pigments and the methods used in paint analysis. Prerequisite, course 1, and approval of the instructor. One year, five or seven hours a week, six or eight credits; or second semester, eleven hours a week, six credits.

4. **Quantitative Analysis.**—Lecture and laboratory work. This includes an introduction to the gravimetric and volumetric analysis and a study of the methods of determination of atomic weights. Prerequisite, courses 1 and 3. One year, five or seven hours a week, six or eight credits.

5. **Organic Chemistry.**—A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils, explosives, etc., is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 6 is also taken. Prerequisite, course 1 and approval of the instructor. One year, two hours a week, four credits.

6. **Laboratory Course in Organic Chemistry.**—To be taken with or upon completion of course 5. Organic

compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 5, when possible. One year, four hours a week, four credits.

7. Advanced Organic Chemistry and Qualitative Organic Analysis.—This course is a continuation of courses 5 and 6. The detection of common food adulterants will receive attention. Prerequisite, courses 1, 2, 3, 5 and 6. One year, five hours a week, six credits.

8. Food Analysis.—Milk and butter analysis receive special attention. Prerequisite, courses 1, 3 and 4. One year, four hours a week, four credits, or one semester, eight hours a week, four credits.

9. Water Analysis.—Prerequisite, courses 1, 3 and 4. One semester, five hours a week, three credits.

10. Teachers' Course.—This course is designed for those who intend to teach chemistry. They are given practical work in the laboratories, instructing students beginning chemistry, preparing solutions, etc. A course of lectures is given on the teaching of chemistry. Prerequisite, courses 1 and 3. One year, two or four hours a week, two or four credits. No fee is charged.

Other courses, assaying, gas analysis, iron ore, etc., will be offered in the near future.

EDUCATION.

1. History of Education to Modern Movements.—The history is taken up from the earliest times and the course of educational theory and practice is followed among the Greeks, Romans, the medieval peoples, and down to the middle of the Eighteenth Century. Open to all students who have 32 credits. It is recommended, however, that students take a course in European history along with this course, if they have not already

taken such a course. First semester, three hours a week, three credits.

2. **History of Education in the Modern Period.**—The course begins with Rousseau. It includes, not only the modern psychological, scientific and sociological movements in education, but also a survey of the modern state systems of education; their organization, curricula, methods, tendencies and results. Prerequisite, course 1. Second semester, three hours a week, three credits.

3. **Principles of Education.**—A course given in three parts:

(1). **The Teacher and the Class.** This includes among other things the following important topics: class management, teaching to study, the curriculum, the physical nature of the pupil and the art of teaching.

(2). **Organization and Administration.** An examination of the structure of our schools and of their working, from the viewpoint of the teacher. Following a brief presentation of the organization, administration and supervision of schools generally, a more detailed study of secondary school administration is made.

(3). The course concludes with the philosophy of education, which is intended to unify and correlate the results of the work of the whole department and to enable the student to form clear and rational judgments respecting the instruments, methods, uses and ultimate ends and values of education. One year, three hours a week, six credits.

For further courses in Education, see the various departments of instruction in the College; and, further, all courses in the department of Mental Sciences and Philosophy.

ENGLISH.

1. **Rhetoric and English Composition.**—The aim of this course is to ground the students in the fundamentals

of good English style, and to develop in them the power of effective writing and speaking. Texts used will be Woolley's Handbook of Composition and Wendell's English Composition. Several representative works of literature will be read outside of class. The main work of the course will be the writing of daily and fortnightly themes. Required, freshmen, one year, three hours a week, six credits.

2. **American Literature.**—Lectures and critical reading of selected authors; themes on assigned reading. Prerequisite, course 1. First semester, three hours a week, three credits.

3. **Old and Middle English.**—A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry; Orm, Layamon and other Middle English texts, including Chaucer. Prerequisite, course 1. Second semester, three hours a week, three credits.

4. **English Literature.**—The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1700. Spenser, Shakespeare and Milton are extensively read and discussed. Prerequisite, course 1. One year, three hours a week, six credits.

5. **The Drama in England** from the Miracle Plays to the closing of the theaters in 1642. Special attention will be given to the writings of the minor dramatists of the Elizabethan period. Prerequisite, courses 1 and 4. First semester, three hours a week, three credits. Not offered 1913-1914.

6. **The Drama in England** from 1642 to 1900. While the course deals chiefly with the English drama, attention will be given to other literatures. Prerequisite, courses 1, 4 and 5. Second semester, three hours a week, three credits. Not offered 1913-1914.

7. History of Literary Criticism.—A study of the principles governing literary composition. Prerequisite, courses 1 and 4. First semester, three hours a week, three credits.

8. Browning and Tennyson.—A comparative study. Prerequisite, course 1, 4 and 7. Second semester, three hours a week, three credits.

9. The English Novel.—Its rise and development. Prerequisite, courses 1 and 4. First semester, three hours a week. Alternate for course 5.

10. Anglo Saxon, Beowulf.—Prerequisite, courses 1 and 3. Second semester, three hours a week. Alternate for course 6.

11. English Literature from 1765-1892. The study will include English and Scottish popular ballads and the writings of Burns, Wordsworth, Coleridge, Keats, Shelley, Byron and Scott. A substitute for course 10 at the option of the professor. Second semester, three hours a week, three credits.

12. Argumentation and Debate.—This is a practice course in debating. The fundamentals of the theory of debating as presented in the works of Foster and Thomas will be the basis of the course but the mastery of these fundamentals must be shown in actual debating. Those desiring a more thorough study of the laws of logic are urged to precede this course with Mental Science 2, which, although not a prerequisite is a valuable preparation for this course. First semester, two hours a week, two credits.

13. Short-Story Writing.—This course is designed for those desiring further training in narrative writing. It is open only to those who have shown special aptitude for writing in English 1. A large number of short stories will be studies and analyzed. Attention will be given to the gathering of material, the study of character types and the development of plot-germs. Four

original short stories will be written by each student and criticised by the class. Texts used for constant reference will be Cooper's Craftsmanship of Writing, Pitkin's Short Story Writing and Esenwein's Study of the Short Story. Second semester, two hours a week, two credits.

14. Debating: Advanced Course.—Open to those on the intercollegiate debating squad. The question for intercollegiate debate studied and briefed, and practice debates held. The chief work of the course will be research work on the part of the individual members of the squad. One semester, two hours a week, two credits.

EXPRESSION.

1. Elocution and Voice Training.—(1) Theory. The principles underlying the art of expression and literary interpretation.

(2) Practice. Deep breathing. Correction of voice faults and mannerisms. Factors of expression. Analysis and interpretation of the classics. Reading and speaking. One year, three hours a week, four credits.

2. Action.—Physical presentations of emotions including facial expression, gestures and attitudes. Platform work and original presentations. Prerequisite, course 1. One year, two hours a week, four credits.

3. Shakespeare and Modern Drama.—Dramatic interpretation. Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

FRENCH.

1. Elementary French.—In the first year the aim is to give a thorough grounding and drilling in grammar—with exercises in translation, conversation and pronunciation. In the second semester the reading of some easy work in prose is begun. One year, four hours a week, eight credits.

2. **Prose Reading.**—This course is composed largely of readings in prose works by modern authors, with a light review of the author and his works, as each work is taken up. Composition and conversation are also part of the work. Prerequisite, course 1. One year, three hours a week, six credits.

3. **French Classics.**—This year includes the reading of modern authors and some classics; composition and syntax. Works of Hugo, Corneille, Moliere, Racine. Prerequisite, course 2. One year, three hours a week, six credits.

4. **History of French Literature.**—The fourth year is given to the history of French literature with readings from many authors, and conversation and composition. Prerequisite, course 3. One year, three hours a week, six credits.

GEOLOGY.

A general course in dynamic, structural and historical geology. In connection with and as a part of structural geology a short lecture course is given in mineralogy to familiarize the student with the elementary principles of the subject. Le Conte's Elements is made the basis of the year's work, and in addition to the lectures and laboratory work each student is required to do a certain amount of field work and to make an identified collection of the most important rocks and fossils of this locality. An elementary course in chemistry is required. One year, three hours a week, six credits.

GERMAN.

1. **Elementary.**—Grammar, a study of the elements of the language, drill from vocabulary, syntax, easy readings from several authors, memorizing of poems, composition. One year, four hours a week, eight credits.

2. Intermediate.—Grammar reviewed, readings from Bacon, Mosher, Stern and others, Schiller's Wilhelm Tell, Die Glocke, Goethe's Egmont or others, memorizing from Wilhelm Tell and Die Glocke, conversation, composition. Prerequisite, course 1. One year, four hours a week, eight credits.

3. Classic Drama.—Goethe, Schiller, Lessing. Conversation and composition. Prerequisite, courses 1 and 2 or equivalent. One year, four hours a week, eight credits.

4. Romantic School and Modern Drama.—Selections from Schlegel, Tiek, Hauptmann, Sudermann and others. Prerequisite, course 3. First semester, three hours a week, three credits.

5. Modern Prose.—Scheffel's Ekkehard and selections from various modern authors, scientific German. Prerequisite, course 3, or equivalent. Second semester, three hours a week, three credits.

6. Narrative Poetry.—Hermann und Dorothea, Scheffel's Trompeter von Sakkingen, conversation and composition. Prerequisite, courses 1 and 2 or equivalent. First semester, three hours a week, three credits.

7. Lyric Poetry and the Modern Novel.—Selections from the leading authors, history of literature, lectures, essays. Prerequisite, course 3 or equivalent. Second semester, three hours a week, three credits.

8. History of German Literature and selections for reading from Luther, Heine, Kant and others. Prerequisite, course 3 or equivalent. First semester, three hours a week, three credits.

9. Teachers' Course.—Readings from different authors of the classical period, drill in grammar, syntax, word formation, composition. The second semester is devoted to a survey of the development of the German language as based on Benhagel's Deutche Sprache, grammar, composition. Prerequisite, course

3 or equivalent. One year, two hours a week, four credits.

10. Middle High German.—Grammar of Middle High German, the Nibelungen Lied. Prerequisite, course 3 or equivalent. Second semester, three hours a week, three credits.

11. Goethe.—Faust. Conversation. Prerequisite, course 3 or equivalent. First semester, three hours a week, three credits.

GREEK.

1A. Grammar.—A study of the elements of the language. Drill in form, vocabulary, syntax and composition, preparatory to the Anabasis. One year, four hours a week, eight credits.

2A. Anabasis.—A thorough syntactical study and reading of four books of Xenophon's Anabasis with prose composition and sight translation. One year, four hours a week, eight credits.

1. Xenophon or Lucian.—The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war; or Lucian's Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age. First semester, four hours a week, four credits.

2. Homer or Herodotus.—The Iliad, Books I-IV in literary and grammatical study; or Herodotus, stories, and selections from Book VII, with a careful consideration of accidence and syntax of the Ionic dialect. Second semester, four hours a week, four credits.

3. Athenian Orators.—Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure. Prerequisite, course 2A. First semester, three hours a week, three credits.

4. **Plato.**—The Apology and Crito. Socrates and his teachings, with readings from Xenophon's Memorabilia. Prerequisite, course 2A. Second semester, three hours a week, three credits.

5. **The Drama.**—Selected plays of Aeschylus or Euripides and Aristophanes. Rise and development of tragedy and comedy. The Greek theatre and production of plays. Prerequisite, courses 1, 2, 3 and 4. First semester, three hours a week, three credits.

6. **English Course in Greek Literature.**—Studies in the elegiac, lyric and dramatic poets of Greece, for students having no knowledge of Greek. Prerequisite, 52 credits. First semester, two hours a week, two credits.

7. **The Odyssey.**—Selections from Books I-XII. Sight reading. Literary study of the whole poem from the English translations of Palmer and of Butcher and Lang. Prerequisite, courses 1, 2, 3 and 4. Second semester, three hours a week, three credits.

8. **Lyric Poetry.**—Selections from the elegiac and lyric poets. Prerequisite, courses 1, 2, 3 and 4. Second semester, two hours a week, two credits.

9. **The Greek Testament.**—This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek. The aim is to master a good working vocabulary, the main characteristics of New Testament Greek and to get some practice in Greek exegesis. The work is based mainly on the Acts of the Apostles and some of Paul's Letters. Prerequisite, 52 credits. One year, two hours a week, four credits.

HISTORY.

Course 1 is offered every year and is required of all who major in history. The other courses are alter-

nated in such a way that three of them are taught each year.

1. **Early European History and the Middle Ages.**—From 31 B. C. to 1300 A. D. A suitable text-book, sources, and documents form the basis of the work, supplemented by collateral reading and topical reports. One year, four hours a week, eight credits.

2. **English Constitutional History.**—This is a study of the political and constitutional development of England from the Norman Conquest until 1688. The required text-books are: Gardener's Student History of England, White's The Making of the English Constitution, and Adams' and Stephen's source-book. Collateral reading and a thesis are required. One year, three hours a week, six credits.

3. **The Renaissance And The Reformation.**—This course covers the period from 1300 to 1648. The greater part of the first semester is devoted to the Renaissance and the remainder of the year is given to the Reformation. Topical reports and a thesis are required. One year, three hours a week, six credits.

4. **The French Revolution.**—In this course the causes bringing about the fall of the Bourbons, the revolution proper, and the Napoleonic era are studied. First semester, three hours a week, three credits. Not offered 1913-1914.

5. **American History.**—From the adoption of the constitution to 1850. First semester, three hours a week, three credits.

6. **American History.**—From 1850 to the present time. Second semester, three hours a week, three credits.

7. **American Colonial History.**—Beginning with the earliest settlements in the colonies this course aims to trace the development of those institutions and forces which led to American independence. It also includes a study of the making of the constitution and

its adoption. One year, three hours a week, six credits. Not offered 1913-1914.

8. **The Westward Movement.**—This is a study of the westward extension of the United States and of the economic and political development resulting from this expansion. Prerequisite, course 7. One year, three hours a week, six credits. Not offered 1913-1914.

9. **Modern European History.**—From 1815 to the present time. Special attention is devoted to the establishment of constitutional governments and the industrial evolution of this period. Second semester, three hours a week, three credits. Not offered 1913-1914.

HOME MAKING.

1. **The Home.**—Evolution of the modern home from primitive conditions. Its object. Selection of site with regard to climate, soil, drainage and neighborhood. Location of house with regard to exposure and distribution of light. Elementary study of architecture in connection with planning a house and plans that meet the requirements, comfort and convenience of the family for which the house is intended. Lectures, problems and recitations. First semester, two hours a week, two credits. Not offered 1913-1914.

2. **Domestic Hygiene.**—Systems and methods of ventilation, heating and lighting. Water and water tests of the household. Plumbing. Care of the house and household belongings. Prerequisite, course 1. Second semester, two hours a week, two credits. Not offered 1913-1914.

3. **Household Art.**—The furnishing of the house from the standpoint of good taste and economy. Value of form, color design and material in furnishing. Textiles. The study of cotton, linen, flax and wool and the manufacture of each. Color schemes and designs in papering, hangings and rugs. One year, 2 hours a week, four credits.

4. **Social Culture.**—Study of forms and customs which should be known and observed in community life. The meaning and value of true hospitality. Second semester, two hours a week, two credits.

LATIN.

1. **Freshman.**—Cicero, De Senectute; Livy, selections from books I., XXI., and XXII.; Pliny's Letters. In this course the aim is to fix the student's knowledge of grammatical forms and syntax, and, by constant drill and prose composition, to familiarize him thoroughly with fundamental principles and enlarge his vocabulary. Prerequisite, four years' work in Latin equivalent to the course in Baldwin School. One year, four hours a week, eight credits.

2. **Sophomore.**—(a) First Semester: Horace, Odes, Epodes, Satires and Epistles. A thorough knowledge of forms and syntax is presupposed. Much time is spent on literary content and style. A thorough study is made of the life of Horace, his literary art and prosody. Throughout the course are noted the conditions in the Roman literary world and the various phases of life and politics under the Early Empire.

(b) Second Semester: Annals of Tacitus or some other prose work, illustrative of the language, character of thought, social and political conditions of the Silver Age. Juvenal's Satires; private life of the Romans. Prerequisite, course 1. One year, three hours a week, six credits.

3. **The Latin Drama.**—Terence, Plautus, The Senecan Tragedies. A study of representative plays with lectures and topical work on the sources and treatment of material, the social conditions, the theatre, actors and spectators. First semester, three hours a week, three credits.

4. **Roman Philosophy.**—(a) Lucretius and Epicurean philosophy. This course consists of the reading

and interpretation of the text of Lucretius with a study of his philosophy and its sources. (b) Cicero.—The New Academy. (c) Seneca.—Stoicism. A study of the dialogues of Seneca and a survey of Stoicism in Rome. One year, three hours a week, six credits.

5. **Letters of Cicero.**—A course for those intending to teach Latin. In addition to the translation of selections from the Letters, collateral work will be assigned to familiarize the student with the life of Cicero, social and political conditions under the Republic. One semester, two hours a week, two credits.

6. **Grammar and Composition.**—A course in advanced composition and a study of prose style and of grammatical rules and principles. One semester, two hours a week, two credits.

7. **Teachers' Course.**—This course is designed to prepare students to teach the Latin of secondary schools; to make the student thoroughly familiar with grammar of the language. To secure by practice the ability to give idiomatic translations of Latin authors; to familiarize the student with the political and social conditions of the Roman Empire. Students in this course will be required to teach classes in Baldwin School occasionally under the instructor's supervision. One year, three hours a week, six credits.

8. **Roman Elegiac Poetry.**—Selections from Catullus, Tibullus, Propertius and Ovid with a study of the rise, development and characteristics of Roman elegiac poetry. One semester, three hours a week, three credits.

9. **Roman Law.**—This course consists of translation of the text of the Institutes of Justininian and a study of Morey's Outlines. One semester, two hours a week, two credits.

Prerequisite for courses 3 to 9, courses 1 and 2, or course 1 completed with a grade of 90.

10. Roman Archaeology.—A course of illustrated lectures with frequent quizzes covering the following subjects: Roman building materials, architectural styles and terms, Rome and the Campagna, Roman forum, temples, theatres, ampitheatres, circuses, thermae, arches and tombs. Open to juniors and seniors. No knowledge of Latin is required. One year, one hour a week, two credits.

MATHEMATICS AND ASTRONOMY.

1. Higher Algebra.—Graphic representation of functions, ratio and proportion, variation, theory of quadratics, progressions, series, etc. First semester, four hours a week, four credits.

2. Trigonometry and Analytic Geometry.—An attempt is made to give the student a clear understanding of trigonometric functions, development of formulae and their application to the solution of problems, plane and spherical. This is followed by a brief course in analytic geometry, sufficient for elementary courses in physics and astronomy. Second semester, four hours a week, four credits.

3. Analytic Geometry.—This is a continuation of course 2. Equations of straight lines, and the principal curves and their tangents are discussed by both rectilinear and polar co-ordinates. Prerequisite, course 2. First semester, three hours a week, three credits.

4. Differential and Integral Calculus.—A brief study of the principles of differential calculus based on theory of limits, followed by a short course in integral calculus. Prerequisite, course 3. Second semester, three hours a week, three credits.

5. Advanced Calculus.—Continuation of course 4. One year, three hours a week, six credits.

6. Surveying.—Prerequisite, course 2. Second semester, three hours a week, three credits.

7. Advanced Algebra.—Intended especially for those preparing to teach. Prerequisite, course 1. One year, three hours a week, six credits.

8. Astronomy.—Text-book, lectures and practical work with sextant, transit and clock. Prerequisite, course 2. One year, three hours a week, six credits.

9. Mechanical Drawing.—A course designed for those taking shop work or preparing for technical schools. One year, four hours a week, four credits.

Courses 5, 6, 7 and 8 are not offered 1913-1914. Course 9 is offered only in second semester 1913-1914.

THE MENTAL SCIENCES AND PHILOSOPHY.

1. Psychology.—An introductory course covering the main features of normal human psychology:

(1) A brief introduction in experimental work, intended to accustom the student to introspective study and to give him an insight into the methods of modern psychological investigation.

(2) A survey of the more prominent aspects of the conscious life. This part opens with a synopsis of the nervous mechanism and is followed by a consideration of the sensations, perceptions, affections, memories, judgments, etc. The work is carried on by means of text-book, collateral readings, lectures, observations by the student, and experiment. Required in all courses. Prerequisite, 32 credits. First semester, five hours a week, five credits.

1A. Advanced Psychology.—A course designed to study more exhaustively certain problems suggested in course 1, in the domain of comparative and educational psychology. The psychology of animals, of races and of society are taken up; then the mental life of childhood and adolescence; and, finally, the bearing of the science upon education, business and professional life are studied. Prerequisite, course 1. Students, not hav-

ing course 1, may be admitted after conference with the instructor, in which they demonstrate ability to handle the subject. One year, three hours a week, six credits.

2. Logic and Scientific Method.—A course in logic, deductive and inductive. Special attention is given to logical definition and division, and their application in literary work, the syllogism, detection of fallacies and the analysis of fallacious reasoning, the use of hypothesis, analogy and probability, the methods of scientific experiment and verification. Abundant exercises are supplied to fix principles and develop ability in the use of them. Open to students having 40 credits. Second semester, three hours a week, three credits.

3. Ethics.—This course begins with an historical sketch of ethical theories and of the conceptions of life that have been held. Next, the psychological facts and the philosophy of ethics are investigated in order to gain an adequate basis for ethical theory. Finally, the problems of practical ethics are taken, particular consideration being given to certain of them which are now occupying the thoughts of men. The attempt is made in this course to develop a system of thought that does justice to Christian motive and doctrine and is, at the same time, based upon a proper scientific and philosophical basis. Open to students who have completed course 1 and who have 104 credits. Second semester, three hours a week, three credits.

4. History of Philosophy. Ancient and Medieval.—Beginning with the early Greeks, this course follows the course of philosophic thought down to the period of Bruno, with the purpose of noting the development and relationships of the chief philosophical concepts. Attention is concentrated upon the leading thinkers and on the movement of thought. Collateral readings in Plato and Aristotle are required. Open to seniors and juniors; also to sophomores on the approval of the

instructor. First semester, three hours a week, three credits.

4A. History of Philosophy, Modern.—Continuing the preceding: from Bruno to the present time. The course requires extensive collateral readings. Elective, on the same terms as the preceding course. Second semester, three hours a week, three credits.

5. Introduction to Philosophy.—A course aiming to exhibit the great problems of philosophy in a systematic way, and, further, to formulate some positive views in respect to the answers to these problems. Open on the same terms as course 4. First semester, three hours a week, three credits. Not offered 1913-1914.

5A. Modern Philosophy.—The course given under this heading will deal usually with either metaphysics or the theory of knowledge, taking the work of some prominent modern philosopher as a basis. The particular work will be decided after conference with the class. Open on the same terms as course 4. Second semester, three hours a week, three credits. Not offered 1913-1914.

PHYSICS.

The physical laboratories occupy practically the entire first floor of the Carnegie Science Hall. There are two large laboratories, one for general physics and the other for electricity. Each of these has a smaller laboratory adjoining for special research work. In connection with this department there is in the basement a shop equipped with special tools for the production of apparatus for research work. The laboratories and equipment are completely modern and contain a number of special features facilitating and strengthening the work in these courses.

1. Short Course.—This is a short course which covers the entire subject in one year. Demonstrations in connection with the lectures are substituted for a

considerable amount of the individual laboratory work that is done by the student in the long course, and some of the more technical features of the subject that are not of general importance are omitted. The aim is to offer a thorough year's work in the general principles of physics to those who are taking courses which will not permit them to take the regular long course in the subject. It is recommended only to those who are taking classical or literary courses, or a two year course in preparation for some school of medicine. Prerequisite, Mathematics, course 2. One year, six hours a week, eight credits.

2. **Mechanics, Sound, Heat.**—This course includes a thorough study of mechanics, sound and heat. A large part of the time is spent in laboratory work and the student's conceptions of physical laws are developed as largely as possible from observation and experiment. About forty quantitative experiments are performed by each student in the laboratory, the aim being to afford a working knowledge of modern measuring instruments of precision and to develop quantitative methods, as well as to discover and verify the laws of nature. Careful attention is given to the problem of the errors in measurement, the student being required in each case to consider the origin of the errors and methods for their elimination and to compute the probable errors of observations and results. Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits.

3. **Electricity and Light.**—This course includes a thorough study of electricity and light. Forty experiments are performed, thirty-five of which are in electricity, giving the student an opportunity to familiarize himself with electrical measuring instruments. The work in light includes measurements with the photometer, spectrometer, and interferometer. Prerequisite,

course 2. One year, six hours a week, eight credits. Not offered 1913-1914.

Courses 2 and 3 together constitute what is termed the long course in physics and are designed especially to meet the needs of students taking a scientific course. These two courses, together with shop work 2, afford excellent preparation for teaching physics in secondary schools.

SHOP WORK.

The basement of Carnegie Science Hall is devoted to shops. These shops are well lighted and ventilated, having full length windows and a high ceiling. The woodshop occupies the large room in the north wing and has adjoining it a finishing room for staining, filling and varnishing. The south wing contains a laboratory shop connected with the physics department and a metal shop which has adjoining it a forge and grinding room which is also equipped with a crucible furnace and moulding sand for making small castings. Believing that a modern education should lead as the world of literature, art and science, the following courses are offered to all college students:

1. General Shop Course.—This is essentially a general culture course in the applied mechanical principles. The work covers a study of the principles involved in modern methods of wood-working and the use and adjustment of wood-working tools; a study of the principles involved in working the various metals, and of metal-working tools. The work in metals includes soldering, brazing, forging and the casting of brass and aluminum. For the latter work simple patterns are made in the pattern shop which, with the setting and pouring, introduces the student to the general principles underlying foundry work. The development and transmission of power, including steam and gas engines, water power, dynamos and motors is given considerable

attention. The study of the mechanical principles is illustrated by practical exercises involving their application to modern methods. The object is to lead the student to an appreciation of the modern mechanical world, its methods and processes. One year, five hours a week, six credits.

2. **Laboratory Shop Course.**—This course is specially designed for students who are preparing to teach science. It includes a study of the design and construction of various forms of apparatus adapted to demonstrations and laboratory work in high schools and academies; the construction of a number of pieces of apparatus and the determination of their errors; demonstration with the above pieces before the science classes in Baldwin School; visits to high school and college laboratories of the Twin Cities. Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits. Not offered 1913-1914.

3. **Manual Training Teachers' Course.**—This course is designed for students who are preparing to teach manual training. It includes a short study of the history and development of the manual training idea in education; the development of a progressive set of exercises each one of which must be executed and submitted for criticism accompanied by a paper explaining the object of the exercise, the connection with preceding exercises and the points that will appeal to the pupil's interest and stimulate creative thought; the conducting of a number of exercises in the manual training department of Baldwin School; visits to manual training and other shops in the Twin Cities. Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits.

SOCIAL AND POLITICAL SCIENCE.

1. **Sociology.**—Under this head are included the history, various theories and principles of sociology.

Important aims are, to show the extent of the field, to arouse an interest in the study and to help to correct methods of sociological investigation. A standard text-book is used, but the systems of sociology as presented in Spencer, Ward and others are presented and discussed. First semester, four hours a week, four credits.

2. **Sociology.**—The time will be devoted to a more detailed study of the history of Sociology, the theories of Giddings, and to original inductive studies. Prerequisite, course 1. First semester, three hours a week, three credits.

3. **Political Economy.**—A general survey is taken of the history, theories and generally accepted principles of Political Economy. A standard text-book such as Gide is used, supplemented by collateral studies in Adam Smith, Mill, Ricardo, Walker, articles in cyclopedias, etc. Second semester, four hours a week, four credits.

4. **Political Economy.**—In the elective course substantially the same ground is covered, but more attention is given to the historical development of the science and to the application of sound principles to current economic questions. Prerequisite, course 3. Second semester, three hours a week, three credits.

5. **History of Civil Government.**—The State, by Professor Wilson, is used as a text-book, with collateral study of constitutions. The aim is to trace clearly the great and distinctive features in the government of the leading European nations. Prerequisite, course 3. First semester, three hours a week, three credits. Not offered 1913-1914.

6. **International Law.**—A brief course in the outlines of this important subject offered to meet the interest arising from our wider international relations. Prerequisite, course 3. Second semester, three hours a week, three credits. Not offered 1913-1914.

7. Roman Law.—Morey's Outlines of Roman Law is used. The object is to make the student acquainted with (1) the origin and development of Roman law; (2) its relation to modern systems of jurisprudence. Prerequisite, course 3. First semester, three hours a week, three credits.

8. Financial History of the United States.—An historical study of public revenues and expenditures, of public debts and of currency and banking in the United States. Special attention is paid to government reports. The work by Professor D. R. Dewey is used as a text-book. Prerequisite, course 3. Second semester, three hours a week, three credits. Not offered 1913-1914.

9. Elements of Jurisprudence.—Holland's "Jurisprudence" is used as a text-book. The general subjects considered are Laws and Rights, Private Law and Public Law, the object being to acquaint the student with the principles of fundamental law in their historical development and practical application in every phase of social life. Second semester, three hours a week, three credits.

FREE HAND DRAWING.

A course including out-door sketching, flower design in India ink, study of perspective, charcoal drawing from cast, sketching from life, leather work as a craft. One year, two hours a week, two credits.

By permission of the Faculty this course in free hand drawing is offered by Miss Mabel Jackson, a student of the Chicago Art Institute and of the St. Paul Art Institute.

PHYSICAL TRAINING FOR WOMEN.

Theory—Personal Hygiene.—Short talks on the functions of the skin, the physiologic effects of water, hot and cold; bathing; care of the face; care of the

hair, the hands, the feet; care of the mouth and teeth and their relation to good digestion; over-eating and intestinal indigestion; fresh air; ventilation of bed rooms; care of the ears, throat and nose; deep breathing; the foot and the shoe; dress.

Practice.—Gymnastics:

1. Corrective exercises.—Walking, standing and sitting. Elementary work in stall bars, Indian clubs, bar bells, and bounding balls.
2. Parallel bars, ladder and incline rope.
3. Folk dancing.

Required, freshmen, one year, two hours a week, two credits upon the completion of Biology 3.

DOMESTIC SCIENCE.

The St. Paul Y. W. C. A. offers a course of thirty-three lessons on dietetics and practical cooking, to be distributed weekly throughout the college year, at a cost of twenty dollars. The registration of ten students is necessary to insure a class. Any student who elects this course is allowed two credits in college work.

MACALESTER COLLEGE, SCHEDULE OF CLASS HOURS, FIRST SEMESTER, 1913-1914.

	8:00 to 9:00	9:00 to 10:00	10:20 to 11:20	11:20 to 12:20	1:20 to 2:20	2:20 to 4:20
Monday	Bible 12 French 1 German 1 Greek 1 Soc. & Pol. Sci. 1	Bible 2A German 3 Latin 7 Philosophy 1	Education 3 English 4 French 3 Greek 2A Latin 2 Mathematics 3 Shop 1	Biology 3 English 8 Expression 1A Expression 1B French 2 German 4 History 1 Philosophy 1A Soc. & Pol. Sci. 2	Bible 1A Expression 3 History 7 Mathematics 8 Physics 1*	English 1B Home Making 3 Latin 3 Physics 2*
Tuesday	Bible 3 Bible 5 Chemistry 5 French 1 German 1 Greek 1	Chemistry 1B English 1A Expression 2 German 2 Mathematics 1 Philosophy 1 Physics 2	Bible 4 Chemistry 1A English 2 History 3 Latin 1 Mathematics 3 Philosophy 4 Shop 3	Biology 3 English 8 Expression 1B German 9 History 1 Philosophy 1A Physics 1	English 9 Greek 1A Mathematics 8 Shop 3	Biology 1* Education 1 English 7 German 3 Latin 3 Latin 7 Shop 1* Shop 3*
Wednes.	Bible 12 French 1 German 1 Greek 1 Soc. & Pol. Sci. 1	Bible 2B German 2 Greek 9 Mathematics 1 Philosophy 1	English 2 Geology Greek 2A Latin 1 Soc. & Pol. Sci. 2	Biology 1 Chemistry 3 Education 3 English 4 Expression 1A German 9 Latin 2	Bible 1B English 9 Greek 1A History 7 Home Making 3 Physics 1 Shop 1*	Education 1 English 1B German 3
Thursday	Bible 5 Bible 12 German 3 Soc. & Pol. Sci. 1	Bible 3 Chemistry 5 Education 3 English 1A French 3 German 2 Greek 9 Mathematics 1 Philosophy 1	Chemistry 1A Geology Greek 2A History 3 Latin 1 Mathematics 3 Philosophy 4	Biology 1 Chemistry 1B English 8 Expression 1B French 2 German 4 History 1 Philosophy 1A	Bible 1A English 9 Greek 1A History 7 Latin 2 Mathematics 8	Education 1 English 7
Friday	French 1 German 1 Greek 1 Soc. & Pol. Sci. 1	English 1A Expression 2 German 2 Mathematics 1 Philosophy 1 Physics 2	Bible 4 Chemistry 2 English 2 Geology Greek 2A History 3 Latin 1 Philosophy 4	Biology 3 Education 3 Expression 1A French 2 German 4 History 1 Soc. & Pol. Sci. 2	Bible 1B Expression 3 Greek 1A Latin 3 Physics 1*	Biology 1* English 1B English 4 French 3 Latin 7 Physics 2*

Hours marked with asterisk are double for laboratory.
Subjects scheduled from 2:20 to 4:20 are single hour classes unless starred.

MACALESTER COLLEGE, SCHEDULE OF CLASS HOURS, 1913-1914.
Class Hours Begin as Follows:

Subject	Monday	Tuesday	Wednesday	Thursday	Friday
Bible 1, Sec. A	1:20			1:20	
Bible 1, Sec. B			1:20		1:20
Bible 2, Sec. A	9:00				
Bible 2, Sec. B			9:00		
Bible 3		8:00		9:00	
Bible 4		10:20			10:20
Bible 5		8:00		8:00	
Bible 12	8:00		8:00	8:00	
Biology 1		2:20*	11:20	11:20	2:20*
Biology 3	11:20	11:20			11:20
Chemistry 1, Sec. A		10:20		10:20	
Chemistry 1, Sec. B		9:00		11:20	
Chemistry 2					10:20
Chemistry 3			11:20		
Chemistry 5		8:00		9:00	
Education 1		2:20	2:20	2:20	
Education 3	10:20		11:20		11:20
English 1, Sec. A		9:00		9:00	9:00
English 1, Sec. B	2:20		2:20		2:20
English 2		10:20	10:20		10:20
English 4	10:20		11:20		2:20
English 7		2:20		2:20	
English 8	11:20	11:20		11:20	
English 9		1:20	1:20	1:20	
Expression 1 A	11:20		11:20		11:20
Expression 1 B	11:20	11:20		11:20	
Expression 2		9:00			9:00
Expression 3	1:20				1:20
French 1	8:00	8:00	8:00		8:00
French 2	11:20			11:20	11:20
French 3	10:20			9:00	2:20
German 1	8:00	8:00	8:00		8:00
German 2		9:00	9:00	9:00	9:00
German 3	9:00	2:20	2:20	8:00	
German 4	11:20			11:20	11:20
German 9		11:20	11:20		
Geology			10:20	10:20	10:20
Greek 1A		1:20	1:20	1:20	1:20
Greek 2A	10:20		10:20	10:20	10:20
Greek 1	8:00	8:00	8:00		8:00
Greek 9			9:00	9:00	
History 1	11:20	11:20		11:20	11:20
History 3		10:20		10:20	10:20
History 7	1:20		1:20	1:20	
Home Making 3	2:20		2:20		
Latin 1		10:20	10:20	10:20	10:20
Latin 2	10:20		11:20	1:20	
Latin 3	2:20	2:20			1:20
Latin 7	9:00	2:20			2:20
Mathematics 1		9:00	9:00	9:00	9:00
Mathematics 3	10:20	10:20		10:20	
Mathematics 8	1:20	1:20		1:20	
Philosophy 1	9:00	9:00	9:00	9:00	9:00
Philosophy 1A	11:20	11:20		11:20	
Philosophy 4		10:20		10:20	10:20
Physics 1	1:20*	11:20	1:20		1:20*
Physics2	2:20*	9:00			9:00 2:20*
Shop 1	10:20	2:20*	1:20*		
Shop 3,		10:20 & 1:20,2:20*			
Soc. & Pol. Sci. 1	8:00		8:00	8:00	8:00
Soc. & Pol. Sci. 2	11:20		10:20		11:20

* Periods marked with asterisk are two hours in length; otherwise sixty minutes.

Laboratory hours in Chemistry must be selected in addition, so as not to conflict with remainder of student's schedule.

BALDWIN SCHOOL.

Accredited to the North Central Association of Colleges and Secondary Schools.

Faculty.

JOHN PORTER HALL, A. B., Principal.
Greek.

JAMES WALLACE, Ph. D.
Bible.

DAVID NEWTON KINGERY, A. M.
Mathematics.

RICHARD URIAH JONES, A. B.
Chemistry.

HUGH STUART ALEXANDER, A. M.
Physics and Manual Training.

GRACE BEE WHITRIDGE.
English.

FARQUHAR DAVID McRAE, Ph. D.
History.

GERTRUDE CRIST.
Commercial Studies.

FRANKLIN WATERS PLUMMER, A. B.
Biology and Physical Geography.

MAY GIBSON, A. M.
Latin.

HAROLD OMER BURGESS, A. B.
Latin.

CHARLES BREMICKER, A. B.
German.

HENRY DANIEL FUNK, A. M.
History.

GLENN CLARK, A. M.
English.

LILY ISABEL LEWIS.
German.

MARY PAULINE PAYNE, B. S.
Mathematics and English.

General Information.

HISTORICAL SKETCH.

Baldwin School.

The Preparatory Department of Macalester College is known as "Baldwin School." It was founded by Rev. E. D. Neill in 1853, thirty-two years before the opening of the college, and named after Mr. M. M. Baldwin of Philadelphia. This gentleman had contributed liberally toward the development of Christian education in the Northwest and contemplated the establishment of a university which should bear his name. A charter for such an institution was obtained in 1864, providing also that the preparatory department should be called "Baldwin Grammar School." Mr. Baldwin's untimely death made impossible the establishment of the proposed university. In 1874 the founder of "Baldwin School" obtained a bequest for a college from Mr. Charles Macalester. In appreciation of this gift the charter for "Baldwin University" was revised, the institution being named "Macalester College," and it was further provided "that the preparatory department of said Macalester College shall be known as the Baldwin School." From 1885 to 1890 the catalogues of the college omitted the legal title of "Baldwin School" in describing its courses, referring to it only as the "Preparatory Department." The founder of the School having directed the attention of the Board of Trustees to this omission, the Board ordered that in subsequent catalogues the academy be designated as "Baldwin

School." This request was observed during the next four years. Then the description of the preparatory department appears under the caption: "Macalester Classical Academy." As this name had been adopted without any change in the charter legalizing it the Board of Trustees in 1910 again directed the restoration of the original and charter name of the academy, "Baldwin School." That name it now bears.

Admission and Courses.

The purpose of Baldwin School is to give four years of thorough preparation for the standard college courses and to provide a good general education for those who cannot continue their studies further. The educational standards and requirements of Baldwin School have secured for it the right to be accredited to the North Central Association of Colleges and Secondary Schools.

Two courses are offered, Classical and Scientific.

The languages of the Classical Course are Latin, and Greek or German. The Scientific substitutes science for the Latin of the junior and senior years.

Other requirements of both courses are stated in the synopsis of courses of study.

Requirements for Entrance.—Applicants for admission to the freshman class will be admitted on presentation of certificate of completion of the eighth grade, or on passing examinations in subjects equivalent. Applicants for admission to higher classes will, in addition to the above, be examined in the studies of the classes below that for which they apply. Credits from approved schools are accepted in lieu of examinations in so far as they represent equivalents, in time and in work, of studies prescribed in the courses of Baldwin School.

Edwards' Prize.

Mr. W. R. Edwards and Mr. B. K. Edwards of St. Paul present, in memory of their father Mr. W. C. Edwards, a gold medal to that member of the senior class who is graduated with the highest standing. This prize was awarded last year to Margaret Douglass Downing.

Synopsis of Courses of Study.

Freshman Year.

		1st Sem.	2nd Sem.
Bible		..	(2)
English		(5)	(3)
Latin		(5)	(5)
Mathematics		(5)	(5)
Phys. Geography	elect one	(5)	(5)
Bookkeeping			
Shorthand and Typewriting			
History			
Arithmetic			

Sophomore Year.

	1st Sem.	2nd Sem.
Bible	(2)	..
English	(3)	(5)
Latin	(5)	(5)
History	(5)	(5)
Mathematics	(5)	(5)

Junior Year.

		Classical		Scientific.	
		1st Sem.	2d Sem.	1st Sem.	2d Sem
Bible		(2)	(2)	(2)	(2)
English		(4)	(4)	(4)	(4)
Latin		(5)	(5)	..	..
Greek / German	elect one	(5)	(5)	(5)	(5)
Mathematics		..	..	(4)	(4)
Mathematics, Chemistry, Biology, Manual Training	elect one	(4)	(4)	..	..
Chemistry, Biology, Manual Training	elect one	..	..	(4)	(4)

Senior Year.

		Classical		Scientific	
		1st Sem.	2d Sem.	1st Sem.	2d Sem.
Bible		(2)	(2)	(2)	(2)
English		(4)	(4)	(4)	(4)
Latin		(4)	(4)	..	..
Greek / German	elect one	(5)	(5)	(5)	(5)
Physics, Chemistry, Biology, Manual Training	elect two	..	..	(4)	(4)
Physics, Chemistry, Biology, Manual Training, History and Civics, Com'l Law and Economics	elect one	(4)	(4)	..	

Classical course must include one year of science.
Figures refer to number of hours per week.

Description of Course.

BIBLE.

The Bible is required of all students in Baldwin School. Being the book of the ages, a knowledge of it is deemed an essential part of a good education and vital to the right development of character. Throughout the course a careful study of the text of the Bible itself, correct methods of analyzing and classifying the material are insisted upon. The students are helped to exercise the historical imagination with a view to revivifying as much as possible the life and scenes of Bible times. Careful attention is given to the geography of the Bible and of Bible lands. In this the classes have the help of the large relief map published by the Palestine Exploration Society of England, also of other recent maps and charts.

Biography.—The time is devoted to Old Testament biography beginning with Abraham, the founder of the Hebrew race, and including the patriarchs, Moses, Aaron and Joshua. Some passages and verses of special excellence are memorized. Freshman, second semester, two hours a week.

Biography.—The study of Old Testament biography is continued and includes some of the judges, Samuel, Saul, David and Solomon. Sophomore, first semester, two hours a week.

History.—The first semester is devoted to a careful study of the reigns of Saul, David and Solomon and of the divided kingdom down to the reign of Hezekiah. Much attention is given Old Testament geography. The second semester is given to a study of one of the Gospels and to the Principles of Jesus (by Speer). Junior, two hours a week.

History.—The first semester is given to the history of Judah and Israel from the time of Hezekiah to the fall of Jerusalem. Considerable attention is given to the contemporary history of Syria, Assyria and Babylon, and the work, influence and teachings of the great prophets receive consideration. The second semester is devoted to the Gospel history and the elements of New Testament history. Senior, two hours a week.

ENGLISH.

Composition.—The first year is devoted to a study of the elementary principles of composition and to practice in writing. Especial emphasis is placed upon grammatical reviews, punctuation, capitalization, correct usage, sentence and paragraph structure and the elementary principles of narrative and descriptive discourse. Selections for reading and study are taken from the English entrance requirements. Freshman, first semester, five hours a week; second semester, three hours a week.

Rhetoric.—The first semester is given to the study of the general principles of unity, coherence and emphasis, with their application to the sentence, paragraph and complete discourse. The second semester is devoted to the study of vocabulary, diction, letter-writing and the forms of discourse. Frequent compositions, written and oral are required. Parallel with the study of rhetoric and composition, readings and studies in literature are carried. Sophomore, first semester, three hours a week; second semester, five hours a week.

Analysis and Expression.—The third year's work is essentially a reading and expression course. Careful analysis is required of the masterpieces read in class. Special emphasis is given to training in articulation, enunciation and public reading. The minor poems of Milton, two plays of Shakespeare and Scott's

Lady of the Lake form the basis of study. Junior, four hours a week.

Literature.—The fourth year is devoted to a study of the history of English literature and the reading of short selections from the various authors. Careful attention is given to the historical relations of the different periods in their effect on literature, also the life history of the great English writers, and a brief study of their style. The text is Long's History of English Literature, which is supplemented by brief selected readings from the collection, Twelve Centuries of English Poetry and Prose. Senior, four hours a week.

LATIN.

Latin is a required study throughout the classical course and for the first two years of the scientific. During the time devoted to this study the student is expected to acquire a large vocabulary, a wide knowledge of the rules of syntax, and the ability to convert English into the Latin idiom. These things furnish an indispensable basis for the work pursued in the college classes. Special attention is given to the forms and structure of the language, which are studied by severe methods of both analysis and synthesis. The grammar is thoroughly studied and the memory is helped by a rational explanation of forms.

Lessons.—The first year is spent in the study of the declensions and conjugations, syntax and vocabulary, in making translations daily to and from the Latin and in conversation. Freshman, five hours a week.

Caesar and Composition.—The second year is devoted to careful and thorough study of Caesar and composition. Four books are read. Sophomore, five hours a week.

Cicero and Composition.—The junior year is devoted to Cicero, composition and a more thorough study of

the grammar. Six orations are read. Junior, five hours a week.

Virgil.—The senior year is devoted to Virgil. The Aeneid is studied both textually and as literature. Six books are read. Prosody receives careful attention. Senior, four hours a week.

GREEK.

Greek is a required study alternative to German in the classical course.

Lessons.—The aim of this course is to master the elements of the language, six hundred to eight hundred carefully selected Greek words and two or more chapters of the Anabasis. Junior, five hours a week.

Anabasis.—This year is devoted to a thorough reading and syntactical study of four books of Xenophon's Anabasis accompanied by prose exercises and sight reading in the fifth and sixth books. Special effort is made to master a large vocabulary. Senior, five hours a week.

GERMAN.

German is a required study alternative to Greek in the classical course.

First Year.—Spanhoofd's Elementar-Buch der Deutschen Sprache. A study of the elements of the language, drill in forms, syntax, easy reading and writing. Junior, five hours a week.

Second Year.—Review of grammar, readings from Mosher, Bacon, Schiller, Goethe and others, memorizing of parts from Schiller and Goethe, composition. Senior, five hours a week.

MATHEMATICS.

Elementary Algebra.—Fundamental operations of algebra, including fractions, factoring and simple equations. Freshman, five hours a week.

Advanced Algebra.—A review of first year's work and study of progressions, ratio and proportion, quadratics, graphs, etc. Junior, first semester, four hours a week.

Plane Geometry.—Demonstration of propositions and drill in original exercises. Sophomore, five hours a week.

Solid Geometry.—Junior, second semester, four hours a week.

Arithmetic.—See Commercial studies.

SCIENCE.

Physiology.—Text-book and discussions of physiology, hygiene and sanitation, supplemented by as much laboratory work as the limited time will permit. Junior or senior, first semester, four hours a week. Not offered 1913-1914.

Botany.—A short course, including text-book, laboratory, and field work. Junior or senior, second semester, four hours a week. Not offered 1913-1914.

Zoology.—Text-book and laboratory work on type forms. Junior or senior, one year, four hours a week.

Chemistry.—A general course in inorganic chemistry including text-book, lectures and laboratory. Junior or senior, six hours a week, four hours' credit.

Physics.—This subject includes a thorough elementary study of mechanics, heat, sound, light and electricity. The ground covered is fairly represented by such texts as Carhart and Chute or Hoadley. Junior or senior, one year, six hours a week, four hours' credit.

Physical Geography.—A course of text-book work with a few short expeditions as an aid. Freshman, first semester, five hours a week.

HISTORY AND CIVICS.

The aim of this department is the acquisition by the student of such historical and political knowledge

as will be a necessary element in general culture and a solid foundation for further studies in history and government. The method of teaching employed is that of the text-book with assigned topics for investigation.

English History.—From the first invasion of Britain by Julius Caesar to the present time. Freshman, second semester, five hours a week.

Roman History.—From the founding of Rome to the age of Charlemagne. Sophomore, first semester, five hours a week.

Greek History.—This course begins with the earliest times and includes, first, a rapid survey of the ancient oriental civilizations and, second, a more detailed study of Greece and Hellas to the Roman conquest. Sophomore, second semester, five hours a week.

Medieval and Modern History.—Senior, second semester, four hours a week.

Civics.—An elementary study of the different branches of government, local, state and national, in this country. Senior, first semester, four hours a week.

MANUAL TRAINING.

The work of this course includes the practical use and care of ordinary hand-tools for wood-working, gluing, staining and varnishing, glass cutting, bending and filing of metals, drilling and soldering. Junior or senior, seven hours a week, four hours' credit.

COMMERCIAL STUDIES.

Shorthand.—The system taught is Graham's Standard Phonography. The course covers the entire year; the first six months being devoted to the study of the principles of the system and the remaining time to dictation work. One year, five hours a week.

Typewriting.—The object of the instruction in

typewriting is to give the students a correct method of fingering, a uniform touch and to train them in all the details of form and arrangement of transcript. The work includes business letters, the preparation of tabulated statements and the writing of different legal forms. A student pursuing the course in shorthand is required to take typewriting. No credit is given for this course alone. One year, five hours a week.

Bookkeeping.—There is but one set, double entry, to be written up by the student. This begins with the simplest transactions and extends through corporation bookkeeping. The student is made thoroughly familiar with the usual business forms such as checks, invoices, promissory notes, certified checks, endorsements, bills, certificates of deposit, bills of lading, etc. One year, five hours a week.

Commercial Arithmetic.—This course includes a short review of elementary principles and a thorough study of problems in business methods. One semester, five hours a week.

MUSIC.

Credit in music is given students in classical course when work to the amount of one unit is completed.

BALDWIN SCHOOL, SCHEDULE OF CLASS HOURS, FIRST SEMESTER, 1913-1914.

	8:00 to 9:00	9:00 to 10:00	10:20 to 11:20	11:20 to 12:20	1:20 to 2:20	2:20 to 4:20
Monday	Latin 4. Latin 2. Phys. geog. 1. Shorthand 1.	Latin 3. Biology 3 & 4. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. Bible 2. Latin 1, sec. I.	Physics 4. Bible 3. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	
Tuesday	Latin 4. Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Chemistry 3 & 4. Manl. train. 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. English 2. Latin 1, sec. I.	Bible 4. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	
Wednes.	Physics 4. * Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Biology 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 2. Latin 1, sec. I.	Bible 4. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	Manl. train. 3 & 4*
Thursday	Latin 4. Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Biology 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. Bible 2. Latin 1, sec. I.	Physics 4. Chemistry 3 & 4. Mathematics 2. English 1.	Greek 3. German 3. Latin 1, sec. II.	Manl. train. 3 & 4*
Friday	Latin 4. Mathematics 3. Latin 2. Phys. geog. 1. Shorthand 1.	Biology 3 & 4. Manl. train. 3 & 4. Latin 3. History 2. Mathematics 1. Bookkeeping 1.	Greek 4. German 4. English 3. English 2. Latin 1, sec. I.	Physics 4. Bible 3. Mathematics 2. English 1.	English 4. Greek 3. German 3. Latin 1, sec. II.	

Hours marked with asterisk are double for laboratory.

BALDWIN SCHOOL, SCHEDULE OF CLASS HOURS, FIRST SEMESTER, 1913-1914.

Subject	Monday	Tuesday	Wednesday	Thursday	Friday
Bible 2	10:20			10:20	
Bible 3	11:20				11:20
Bible 4		11:20	11:20		
Book-keeping	9:00	9:00	9:00	9:00	9:00
Biology 3 & 4	9:00		9:00	9:00	9:00
Chemistry 3 & 4		9:00		11:20	
English 1	11:20	11:20	11:20	11:20	11:20
English 2		10:20	10:20		10:20
English 3	10:20	10:20		10:20	10:20
English 4	1:20	1:20	1:20		1:20
German 3	1:20	1:20	1:20	1:20	1:20
German 4	10:20	10:20	10:20	10:20	10:20
Greek 3	1:20	1:20	1:20	1:20	1:20
Greek 4	10:20	10:20	10:20	10:20	10:20
History 2	9:00	9:00	9:00	9:00	9:00
Latin 1, Sec. I	10:20	10:20	10:20	10:20	10:20
Latin 1, Sec. II	1:20	1:20	1:20	1:20	1:20
Latin 2	8:00	8:00	8:00	8:00	8:00
Latin 3	9:00	9:00	9:00	9:00	9:00
Latin 4	8:00	8:00		8:00	8:00
Mathematics 1	9:00	9:00	9:00	9:00	9:00
Mathematics 2	11:20	11:20	11:20	11:20	11:20
Mathematics 3		8:00	8:00	8:00	8:00
Man. Train. 3 & 4		9:00	2:20*	2:20*	9:00
Phys. Geog. 1	8:00	8:00	8:00	8:00	8:00
Physics 4	11:20		8:00*	11:20	11:20
Shorthand	8:00	8:00	8:00	8:00	8:00

Hours marked with asterisk are double for laboratory.

Laboratory hours in chemistry must be arranged so as not to conflict with remainder of schedule.

SCHOOL OF MUSIC.

Faculty.

HARRY PHILLIPS,

Director. Instructor in Voice Culture.

Certificate from Royal Conservatory of Music, Stuttgart, Germany, 1885-1889. Organist and Soloist in various churches in St. Paul and Minneapolis, 1889-1906. Baritone in Westminster Presbyterian Church, Minneapolis, 1906-1913. Soloist and Director of chorus choir, same church, 1913——. Director and Instructor in Voice Culture, Macalester College, 1895——.

Residence, Minneapolis, 3117 Humboldt Ave. S.
N. W. Colfax 1426.

GEORGE HERBERT FAIRCLOUGH,

Instructor in Piano, Organ, Theory.

Certificate from Royal High School of Music, Berlin, Germany, 1893-1896, under Professors Barth, von Peterson, Ernest Schelling, Piano; Barglel and Succo, Theory; Clemens, Organ. Director of Music, Presbyterian Ladies' College, Brantford, Ont., 1891-1893. Organist and Choir Master, St. John's Episcopal Church, and also of Mount Zion Hebrew Temple, St. Paul, 1900——.

Residence, 546 Ashland Ave. N. W. Cedar 5258.

EMILY GRACE KAY,

Instructor in Harmony, Appreciation of Music, Sight-Singing, History, Theory and Public School Music.

Pupil of Ferruccio Busoni. Certificate from the New England Conservatory of Music, Boston, Mass. Theory and History of Music, Louis C. Elson; Harmony, George W. Chadwick and Sarah E. Newman; Solfeggio, Samuel W. Cole. Supervisor of Public School Music with private teaching in Piano, Niles, Michigan, three years. Director of Music, Webb City College, Webb City, Missouri, two years. Director of Music, Greenville College, Greenville, Illinois, six years. Private Teaching in St. Paul since October, 1907.

Residence, 897 Goodrich Ave. N. W. Dale 350.

BESSIE A. GODKIN,

Instructor in Piano.

Pupil of C. G. Titcomb seven years. Special work, New York City, two years.

Residence, 1048 Van Slyke. N. W. Dale 2661.

THEODORE F. MEIER,

Instructor in violin.

Leader of College Band and Orchestra.
Residence, 419 Iglehart Ave., St. Paul. Tri-State 5165.

JENNIE STANLEY HODGMAN,

Lecturer in History of Fine Arts.

Residence, 476 Ashland Ave. N. W. Dale 2450.

Course of Study.

The School of Music offers a thorough course of instruction in Voice, Piano, Organ, Violin and other stringed instruments; also a theoretical course including Harmony, Counterpoint, Composition, Musical History and Analysis. In each branch of musical study a systematic course, leading to graduation, will be pursued. Time required for completion varies, averaging three years, length of course depending on the pupil's ability and intelligent devotion to work.

There is a preparatory, a junior and a senior year, bounded at the beginning by strict entrance requirements and at the end by a degree of Bachelor of Music. The required studies of the preparatory year include, besides the major subject, as piano, voice, organ or violin, two hours weekly of harmony, one of history of music, one of sight-reading, one of recital, one of chorus, five hours' study of English, German, or any subject for which the student is prepared,—studies all receiving due credits in the College or Baldwin School. Compulsory requirements are a new feature of this preparatory year.

The junior year continues the studies begun as preparatory, working into the more advanced harmony, history, recital and chorus, and substituting for sight-reading, ensemble playing, hymn playing in college chapel for organ students, chamber music and orchestral playing for violin students, and an additional year of piano for vocal students. Students satisfactorily completing this year of work will be given a teacher's certificate if desired.

The senior year requires of all students study of appreciation of music, history of the fine arts, and the writing of a graduation thesis,—of the piano students a year of vocal and a half year of accompanying, besides advanced work in harmony and recital; of

the vocal students, a third year of piano and a year of Italian, advanced work in harmony, recital and chorus; of the organ students, a third year of piano and a year of vocal, advanced work in harmony, recital and chorus; of the violin students, a third year of piano and a year of vocal, advanced harmony, recital and chorus. Upon completion of the senior year, a diploma from the School of Music is awarded.

The degree of Bachelor of Music, which is given by several of the best schools, Syracuse, Northwestern and others, represents at Macalester a student's successful conclusion of a difficult course sealed by the approving stamp of the music faculty. Candidates for this degree must, in addition to the requirements of the senior year, have finished high school work in full and a year of college work, consisting of languages, physics of music and desired electives.

There is, aside from this regular course, opportunity for outside pupils, not attending college, to receive any amount of desired instruction at the Music School.

The varied branches of musical art which each pupil must study, the broadening effect of the college studies, all supported by the credit system, make the course at Macalester College School of Music practically ideal and ideally practical.

Classification.

Upon entrance pupils are examined, classified and placed in their fitting grade, by the director.

Entrance.—Pupils who expect to graduate must enter at the beginning of the school year. Those not wishing to graduate may enter at any time in the year. Completion of the eighth grade is required for entrance.

Teacher's Certificate.—Teachers' certificates will be given to all pupils who have completed the junior year

in full to the satisfaction of their individual teachers; along with two units of English, besides the five hours required each year in regular course.

Diploma from the School of Music.—A student, to receive a diploma, must have completed the work of the senior year in full, written a graduating thesis, given a whole or such part of a program as the director may decide upon, and taken part in the graduating program of the School of Music. Further, graduates must have completed the equivalent of eight units of the course of the Baldwin School including two units of English, in addition to the five hours required each year.

Diploma with the Degree of Bachelor of Music.—Students who wish to take this course in music must, in addition to the required five hours a year, have completed high school work in full, and must take the equivalent of one year in college work. This work in college is to be made up as follows: English, 1; Physics of Music; German, one year; French, one year; electives. Every music pupil must throughout the course take five hours of work in college or School.

Special courses are offered those living in the city who do not wish to take the regular course.

Voice Culture.

In the department of vocal music, those methods which experience justifies as being at once effective and artistic in their results, have been adopted. It is the policy to secure a systematic and thorough culture on the basis of the best Italian methods.

Undisciplined voices require the utmost care and attention at the very commencement of training; therefore, if the future voice is to be at all agreeable and pleasant, the preliminary work must be perfectly mastered before proceeding further.

First Year.—The method book, called "Voice and Song," is a compilation of all that is best in former treatises. It sets forth in a clear, logical and uncommonly practical manner the principles of singing, and has the most satisfying directions for instruction and practice. The material in this book, with vocalises by Sieber, Concone, and the study of songs, ballads by Larsen, Greig, Buck, Gounod and others, makes the first year's work complete.

Second Year.—Studies in phrasing and rapid execution, German Songs by Mozart, Schubert, Schumann, Liszt, Franz, Beethoven, etc., also some of the lighter selections from the Operas.

Third Year.—Oratorio, in all forms, Bach, Haydn, Haendel, Mendelssohn, Gounod, Verdi. Selections from the heavier Operas, and songs of the modern school. Frank, Wolf, Homer, Tours, Massanet, Dvorak, Ronald Nevin, Ganz.

Every student graduating in vocal music must have at least one year of German.

Pianoforte.

Individual instruction is given and the regular course calls for one hour's instruction per week, divided into two lessons of thirty minutes each. Where but one lesson a week is taken, the lesson will be 45 minutes in length. In preparatory work, it is advisable to take one-hour lessons, instead of two half-hours per week.

Preparatory.—Thorough grounding in hand, finger and arm training. Rudiments of music. Easier studies to suit capabilities of each pupil. Pupils are thoroughly prepared for the entrance into the three years' course.

First Year.—Czerny, Velocity Studies, Bertini, Loeschorn, Heller, etc. Bach—Little Preludes and Fugues. Sonatinas and easy Sonatas.

Second Year.—Czerny Op. 740, Cramer-Bulow, 50

Selected Studies, Heller, MacDowell, etc. Bach—Two or Three Part Inventions. French Suites. Sonatas of Mozart, Haydn and Beethoven.

Third Year.—Clementi, Tausig, Gradus ad Parnassum, Czerny Op. 740, Chopin Etudes, Kullak Octave School, Bach's Forty-eight Preludes and Fugues, Sonatas of Beethoven, Repertoire from Classical and Modern composers.

In each grade suitable pieces will be given as the pupil is ready for them.

Post Graduate.—Advanced work. Continuation of previous year. Concertos (with second piano or orchestra accompaniments).

Pipe Organ.

Before beginning the study of the Pipe Organ, the student should have had at least one year's instruction on the piano and should have a thorough knowledge of the rudiments of music. The Director of the Department is organist of two leading churches in St. Paul, St. John's Episcopal and Mount Zion Hebrew Temple, at each of which places he has the use of a fine, large, modern organ for teaching and practice of pupils. Many of the younger organists in St. Paul are, or have been, pupils of Mr. Fairclough. The Temple, which possesses one of the largest three manual organs in St. Paul, and on which most of the lessons are given, is only ten minutes' ride by street car from the College.

Public School Music.

Miss Kay was for four years a supervisor of public school music and is thoroughly conversant with the most approved methods now in use.

One of the greatest inducements offered is the chance to visit different schools, and there get an idea of the practical side of the work, as given in all the grades of the St. Paul and Minneapolis schools.

There is a steady and constantly increasing growth in the demand for competent men and women thoroughly equipped for the teaching and supervising of music in public and private schools. There is, however, a corresponding advance in the preparation required, and it is no longer possible for one, however musical, to do satisfactory work without special training along well defined and systematic lines. This training is not only essential, but is demanded by superintendents and boards of education when employing teachers of public school music.

All students in public school music who are preparing to teach this branch will be required to take an examination in voice in order to receive a certificate, given by the Music Teachers' Association of Minnesota in their new plan of examining and classifying teachers according to their fitness for such work. School Superintendents will require such certificates from all applicants.

The study of voice will be required of pupils in public school music to meet this demand.

All students residing at Wallace Hall will arrange for piano practice at the School of Music.

All pupils must register with the director for any and all branches of music taken.

History of Music.

In the study of the history of music, which is obligatory to all music Pupils, Mathew's Popular History of Music and Fillmore's Lessons in Musical History are used. Students also have access to all of the best and most complete works bearing on the study of the voice and piano.

Sight Reading.

All pupils of vocal music must have at least one year of sight reading, before receiving either a Teach-

er's Certificate or Diploma. The cost of these lessons will be nominal. It is impossible to sing correctly and effectively at all times without an exact and practical knowledge of music and its notations.

The class in Appreciation of Music gives an opportunity for careful analysis of different forms and special works of music, bringing the student into close touch with the best in musical literature.

Classes in Public Performance are helpful in overcoming natural diffidence and nervousness, and in giving that confidence and poise so necessary to the successful player and singer.

Music students are required to take work in the College or Academy to the amount of five hours a week. For this there is no extra charge.

The cost of sheet music for a year is comparatively small, as reduced rates are given the students.

Music as an Elective.

Music, instrumental or vocal, may be taken as an elective in the junior and senior years, provided the student is sufficiently proficient to do advanced work. A minimum of six hours a week must be devoted to the study, and it will not be credited for more than two hours per week. The fitness of the student to take this elective will be determined by examination, and the expense of the instruction must be borne by the student.

Choral Class.

Each year a Chorus is formed for the purpose of studying some sacred cantata or oratorio, which, after thorough preparation, is given in the Westminster Presbyterian Church, Minneapolis, and the House of Hope Presbyterian Church, St. Paul. The benefit of such work is of untold value to everyone, whether music student or not, and is open to all students who

have good voices and wish to become members. The charge will not exceed $1.50 per year.

Orchestra.

A College Orchestra, composed of students and under the leadership of Theodore F. Meier, is open to all students at a nominal fee of one dollar a year.

The Orchestra is composed of those students who play orchestral instruments and covet the pleasure and benefits of orchestral experience. They meet once each week for rehearsal and are frequently called upon to furnish music on public occasions. A good class of music reflecting in a measure the tastes and spirit of the performers is studied, due attention being paid to the technical details necessary as a basis for an adequate musical interpretation. Thus the work is systematic and progressive, aiming as it does, to instruct as well as entertain.

Musical Advantage of Location.

Because of the situation of Macalester College—between the two cities—exceptional opportunities present themselves to students for hearing the best in the world of music. The musical facilities of the Twin Cities are exceptionally good.

St. Paul and Minneapolis each have a magnificent auditorium and a large symphony orchestra, whose concerts present such artists as Schumann-Heink, Bispham, Chuan, Caruso, Busoni, Scotti, Jomelli, and Mero. Many independent artists of international fame are booked also, such as Dr. Ludwig Wullner, Isadora Duncan with Damrosch's Symphony Orchestra, Madame Marcella Sembrich in song recital, Maud Allan.

In St. Paul concerts are given by the Schubert Club. The Philharmonic mixed chorus of two hundred voices, the Apollo Club of one hundred male voices and

the Thursday Musicale represent the musical activity of Minneapolis.

This year Minneapolis had a short season of Grand Opera given by the Chicago Grand Opera Company. Olive Fremstad, Mary Garden, Jane Osborne-Hannah, Luisa Tetrazzini, Carolina White, Charles Dalmores, Hector Dufranne, Henri Scott, Clarence Whitehill, and others appeared in "Die Walkure," "Lucia di Lammermoor," "Thais," "Jewels of the Madonna," "Le Jongleur de Notre Dame."

Course in Music.

Preparatory Year.

PIANO.	Hrs.	Cred.
Piano 1st and 2d....	2	2
Harmony	2	2
General History....	1	1
Sight Reading.....	1	½
Chorus	1	½
Recital	1	½
English, German or any other subject for which they are prepared.		

VOCAL.	Hrs.	Cred.
Vocal	2	2
Harmony	2	2
General History....	1	1
Sight Reading.....	1	½
Chorus	1	½
Recital	1	½
English, German. Elect German if less than two years.		

ORGAN.		
Organ	2	2
Harmony	2	2
General History....	1	1
Sight Reading.....	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

VIOLIN.		
Violin	2	2
Harmony	2	2
General History....	1	1
Sight Reading.....	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

Junior Year.

PIANO.		
Piano	2	2
Harmony 1st Sem...	2	2
Theory 2d Sem.....		
History of Music...	1	1
Recital	1	½
Chorus	1	½
Ensemble playing.	1	½
German, French or any subject for which prepared.		

VOCAL.		
Vocal	2	2
Harmony 1st Sem...	2	2
Theory 2d Sem.....		
History of Music...	1	1
Recital	1	½
Chorus	1	½
Piano	1	1
German, French or any subject for which prepared.		

ORGAN.

Organ	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chapel Playing	1	½

German, French or any subject for which prepared.

VIOLIN.

Violin	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chamber Music	1	½

French.

Senior Year.

PIANO.

Piano	2	2
Vocal	1	1
Theory	2	2
Recital	1	½
Ensemble Playing	1	½
Appreciation	1	½
History of Fine Arts	1	1
Chorus	1	½
Accompanying	1	

Graduating Thesis.

VOCAL.

Vocal	2	2
Piano	1	1
Theory	2	2
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Italian		

Graduating Thesis.

ORGAN.

Organ	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2

Graduating Thesis.

VIOLIN.

Violin	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2

Graduating Thesis.

In the College, eight credits will be allowed toward graduation. These credits are on the basis of one hour periods.

Terms for Instruction.

	Per Semester.
Vocal Lessons—Mr. Phillips:	
Two 20 minute lessons a week	$68.00
Two 30 minute lessons a week	85.00
One 30 minute lesson a week	50.00
Piano—Mr. Fairclough:	
Two 30 minute lessons a week	50.00
One 45 minute lesson a week	39.00
Pipe Organ:	
1 hour lesson per week	50.00
Piano—Miss Kay:	
Two 30 minute lessons a week	45.00
One 45 minute lesson a week	34.00
Piano—Miss Godkin:	
One hour lesson a week	36.00
Two 30 minute lessons a week	36.00
One 45 minute lesson a week	28.00
Harmony class lessons:	
Two lessons a week	12.00
History of Music	3.00
History of Fine Arts	5.00
Public School Music:	
Class of six	12.00
Class of four	15.00
Class of three	18.00
Class of two	27.00
Sight Reading	3.00
Violin—Mr. Meier:	
Two 30 minute lessons a week	36.00
One 30 minute lesson a week	20.00
Rent of Piano for practice:	
One hour a day	4.00
Two hours a day	8.00
Three hours a day	12.00
Four or more hours a day	14.00
Tuition, College	15.00
Tuition, Baldwin School	13.00
Cost of Graduation:	
Diploma	5.00
Expense	2.50

Payment strictly in advance and only in case of severe illness of more than two weeks' duration can any deduction be made for missed lessons. **In such cases the School shares the loss equally with the pupil.**

Honorary Degrees

Conferred by Macalester College.

No honorary degrees were given by Macalester College before 1901.

1901: D. D. to Rev. Charles Thayer, Ph. D..... Deceased.
D. D. to Rev. George W. Davis, Ph. D., St. Paul, Minn.

1902: D. D. to Rev. H. F. Stilwell.....St. Paul, Minn.
D. D. to Rev. J. Le Moyne Danner..Indianapolis, Ind.
LL. D. to Hon. Thomas Wilson.....Deceased.

1903: D. D. to Rev. Joseph Cochran, Macalester, '89.....
.....Philadelphia, Pa.

1904: D. D. to Rev. Stanley B. Roberts..Minneapolis, Minn.
M. A. to Myron A. Clark, Macalester, '90.....
.....Rio de Janeiro, Brazil.

1905: D. D. to Rev. Charles F. Hubbard.....Auburn, N. Y.

1906: D. D. to Rev. Donald D. McKay.....Tacoma, Wash.

1907: D. D. to Rev. Archibald Cardle, Macalester '94.....
.... Burlington, Iowa.

1910: D. D. to Rev. Charles T. Burnley.....Deceased.
D. D. to Rev. Alfred E. Driscoll.....Ashland, Wis.
D. D. to Rev. William Porter Lee, Macalester '89.....
.....Germantown, Pa.
D. D. to Rev. Harry Clinton Schuler, Macalester '95..
.....Teheran, Persia.
D. D. to Rev. John Hansen Sellie, Macalester '95.....
.....Buffalo, Minn.

1911: D. D. to Rev. Charles Allen Clark, Macalester, '99.....
.....Seoul, Korea.
LL. D. to Rev. Albert Brainerd Marshall, D. D.....
.....Omaha, Nebr.
LL. D. to Rev. George Livingstone Robinson, Ph. D.,
D. D. .....Chicago, Ill.

Alumni.

Alumni Association.

It will be esteemed a favor if each alumnus who changes his residence will notify the President of his new address. Information from any source that will assist in keeping this roll complete will be appreciated.

The Alumni Association of Macalester College has two purposes in view: to bind into a unit the graduate body and help to preserve and increase the value of the friendships formed in college, and to further the interests of the Alma Mater and make her more widely known. To assist in this work it publishes "The Graduate," a monthly paper devoted to the interests of the alumni, College and students generally. Communications to either "The Graduate" or Alumni Association should be sent to the College.

Officers.

W. P. Kirkwood ..... President
H. S. Alexander ..... Vice President
H. D. Funk ..... Secretary
N. K. Tully ..... Treasurer.

Roll of Alumni.

Class of 1889.

George Washington Achard .... Business, Minneapolis, Minn.
Joseph Wilson Cochran ..... Minister, Philadelphia, Pa.
Ulysses Grant Evans ..... Minister, Sweetwater, Ill.
James Chase Hambleton ..... Teacher, Columbus, Ohio.
Benjamin Wallace Irvin ..... Deceased.
Samuel M. Kirkwood ..... Surgeon, St. Paul, Minn.
William Porter Lee ..... Minister, Germantown, Pa.
Paul Erskine McCurdy ..... Business, Philadelphia, Pa.
Louis Ferdinand Slagle ..... Deceased.
Charles Albert Winter ..... Deceased.

Class of 1890.

Myron A. Clark Nat'l Sec., Y. M. C. A., Rio de Janiero, Brazil.
Thaddeus T. Cresswell ..... Minister, Pomona, Cal.
John Knox Hall ..... Missionary, Denver, Colo.
William Henry Humphrey ..... Deceased.
William Paul Kirkwood.... Magazine Writer, St. Paul, Minn.
Amos Avery Randall ..... Minister, Wellsville, Ohio.
Judson L. Underwood ..... Missionary, Ashland, Kans.

Class of 1891.

Frank Brown ..... Willmette, Ill.
Walter F. Finch ..... Minister, Slayton, Minn.
Walfred Sunberg ..... Deceased.
William B. Turner ..... Business, Boston, Mass.
Thomas C. Williamson ..... Business, Greenwood, S. D.

Class of 1893.

James Carlisle Simonton ..... Business, Minneapolis, Minn.
Joseph Zoll ..... Address unknown.

Class of 1894.

Francis W. Beidler ..... Minister, Monte Vista, Colo.
Archibald Cardle ..... Minister, Burlington, Iowa.
Paul A. Ewert..... Attorney, Joplin, Mo.
George E. Johnson ..... Business, Sayre, Okla.
Samuel M. Marsh ..... Minister, Brown's Valley, Minn.
William H. Sinclair ..... Minister, Clarksville, Iowa.

Class of 1895.

Frank E. Balcome ..... Physician, St. Paul, Minn.
John W. Christianson ..... Minister, Sisseton, S. D.

Thomas Fitz-Morris Clark .... Minister, St. Croix Falls, Wis.
Charles D. Darling ..... Minister, Minneapolis, Minn.
Edwin Howard Gordon ..... Deceased.
Harry Clinton Schuler ..... Missionary, Resht, Persia.
John Hansen Sellie ..... Minister, Buffalo, Minn.
Arthur Whitney Vance .....
City Editor, Daily News, St. Paul, Minn.

Class of 1896.

Alexander Edward Cance .....
Professor, Mass. Agr. College, Amherst, Mass.
Moses M. Maxwell ..... Minister, Warren, Minn.
Samuel F. Sharp ..... Minister, Exeter, Ontario, Can.

Class of 1897.

Albert Ernest Evans.....Minister, Sunset, Wash.
Charles W. Hansen ..... Deceased.
Ernest Charles Henke ..... Minister, Baraboo, Wis.
George Leck ..... Deceased.
John McLearie .....
Professor, State School of Mines, Rapid City, S. D.
Winifred Moore-Mace ..... Racine, Wis.
Arthur A. Palmer ..... Minister, Newberg, Ore.
Charles Petran ..... Missionary, Mexico City, Mexico.
Louis B. Sherwin ..... Minister, Bayfield, Wis.
William K. Sherwin ..... Teacher, Barnum, Minn.
Arthur G. Welbon ..... Missionary, Andong, Korea.

Class of 1898.

Clarence Dwight Baker ..... Deceased.
Charles Warren Dade ..... Business, Edgely, N. D.
Anna Moore Dickson ..... Teacher, St. Paul, Minn.
Caspar Gregory Dickson .... Clerk Nat. Libry., Washington.
Nellie M. Flanders-Sherwin ..... Barnum, Minn.
John M. Guise ..... Prin. of School, St. Paul, Minn.
Carlton Leslie Koons ..... Minister, Ashland, Wis.
Robert C. Mitchell ..... Minister, Estherville, Iowa.
William James Mitchell ..... Minister, Grandview, Wash.
David Walter Morgan ..... Minister, Nioto, Ill.

Class of 1899.

Hugh S. Alexander..Prof. Macalester College, St. Paul, Minn.
Walter Baker Augur.....Minister, Jasper, Minn.
Charles Allen Clark.....Missionary, Seoul, Korea.
Ralph Elmo Clark.....Minister, Erskine, Alberta, Can.
Paul Doeltz.....Missionary, Iloilo, Philippine Islands.
George C. Edson ..... Minister, Hasbrouck Heights, N. J.

Thomas George Jamieson.....Business, Calgary, Can.
Almira F. Lewis.....Denver, Colo.
James Murray.....Minister, Othello, Wash.
Samuel Merton Pinney..Superintendent, Dodge Center, Minn.
Jacob Elmer Smits.....Deceased.
George Stanley.....Minister, Bloomington, Minn.
Murray Alberton Travis.....Minister, Collegeport, Texas.

Class of 1900.

John Calvin Abels.....Minister, Colombo, Ceylon.
Miles Strong Grimes.....Minister, White Salmon, Wash.
Ralph Emerson Herron.....Business, Manito, Ill.
John Robert Landsborough.....Minister, Oregon City, Ore.
Ernest A. Oldenburg.....Minister, St. Paul, Minn.
Mathilde Pederson-Romunstaad.....Deceased.
Irving David Roach.....Business, Azusa, Cal.
William James Sharp.....Minister, Ellensburg, Wash.
Roy Walker Smits.....Deceased.
David A. Thompson.....Minister, Olympia, Wash.

Class of 1901.

William Beckering.....Minister, Oostberg, Wis.
Louis Benes.....Minister, Waupun, Wis.
Henry Roy Bitzing.....Lawyer, Mandan, N. D.
Percy Porter Brush ..... Lawyer, Kelso, Wash.
Charles Morrow Farney.....Business, St. Paul, Minn.
Henry D. Funk.....Prof. Macalester College, St. Paul, Minn.
Nathaniel E. Hoy.....Meadow, S. D.
Lewis Hughes.....Teacher, Ottawa, Minn.
Richard U. Jones....Prof. Macalester College, St. Paul. Minn.
William C. Laube.....Prof. Presb. Sem., Dubuque, Ia.
Millicent V. Mahlum.....Teacher, Brainerd, Minn.
William H. Travis.....
Pres. Gulf Coast University of Industrial Arts, Collegeport, Tex.
Lily Bell Watson.....Macomb, Ill.

Class of 1902.

Frederick Brown.....Deceased.
Robert L. Davidson.....Teacher, Kent, Wash.
Sarah A. Haines.....Seattle, Wash.
Grace Iddings-Fletcher ....Grand Forks, N. D.
Leonard L. Mann.....Minister, Ipswich, S. D.
Francis H. Newton.....Minister, Creston, Wash.
Winifred R. Pringle-Weber.....Bayfield, Wis.
Edgar E. Sharp ..... Lawyer, Moorhead, Minn.
Benjamin Bruce Wallace.....
Instructor, N. W. University, Evanston, Ill.
Helen Margaret Wallace-Davies.....Chicago, Ill.

Class of 1903.

John Morton Davies.....Minister, Chicago, Ill.
Bessie Shepard Doig-Jacobson.....Panora, Iowa.
Julia Anita Elmer.....Teacher, St. Paul, Minn.
Peter Erickson.....Minister, Minot, N. D.
Ebenezer Thomas Ferry.....Business, Rock Island, Ill.
Emma Inez Godward-Davies.....St. Paul, Neb.
Robert McMaster Hood.....Minister, Madera, Cal.
Peter Westin Jacobson.....Minister, Panora, Iowa.
Raymond Lewis Kilpatrick ..... Sulzer, Alaska.
Donald Norman MacRae.....
Minister, Glace Bay, Cape Breton, N. S.
Henry Morgan.....St. Paul, Minn.
Joseph E. Rankin.....Minister, Long Lake, Minn.
Mary J. Rankin.....Missionary Teacher, Sneedville, Tenn.
Max M. Wiles.....Minister, Princeville, Ill.
William H. Weber.....Business, Bayfield, Wis.

Class of 1904.

Grace Ivanore Chapin-Sharp ..... Moorhead, Minn.
Peter Arthur Davies.....Minister, St. Paul, Neb.
Thomas Hunter Dickson.....Physician, St. Paul, Minn.
Margaret Evans-Detweiler.....Ponce, Porto Rico.
William Horatio Kendall.....Minister, Farmington, Ill.
Alfred Edward Koenig..Instructor, U. of Wis. Madison, Wis.
William Oliver Rothney....Inspector of schools, Quebec, Can.
Henry John Voskuil.....Missionary, Amoy, China.
Tolbert Watson.....Physician, Albany, Minn.
Mabel Wicker.....Teacher, Kenyon, Minn.

Class of 1905.

John Thomas Anderson.....Minister, Belfield, N. D.
Earl Kenneth Bitzing.....Editor, Mandan, N. D.
Eugene Erwin Bromley.....Missionary, Sitka, Alaska.
Isabelle Allison Elmer.....St. Paul, Minn.
Asa John Ferry.....Minister, Philadelphia, Pa.
Thomas Edwin Flinn.....Physician, Redwood Falls, Minn.
Ledru Otway Geib.....Med. Student, Detroit, Mich.
Mary Carnahan Guy-Shellman..Missionary, Pitsanuloke, Siam.
Marie Grace Jamieson-Smith.....Lewisville, Ind.
Daniel Griffin Le Fever.....Superintendent, Gooding, Idaho.
James Albert Slack.....Minister, Powell, Wyo.
Robert Owens Thomas.....Chicago, Ill.
Jane Turnbull.....Teacher, Kerkhoven, Minn.

Class of 1906.

Levi H. Beeler.....Superintendent, St. Petersburg, Fla.
James Ekin Detweiler.....Missionary, Yamada, Japan.
James Hamilton.....Minister, Hebron, Neb.

Roscoe Cliver Higbee.....Prin. of School, St. Paul, Minn.
Alexander Hood.....Missionary, North Fork, Cal.
Albert Kuhn.....Prof. Presby. Sem., Dubuque, Iowa.
Paul H. Th. Rusterholz.....Principal, Red Wing, Minn.
Ruth Estelle Swasey-Rusterholz.....Red Wing, Minn.
Gordon Graham Thompson.....Physician, Seattle, Wash.
Frank Harvey Throop.....Missionary, Soo Chow, China.
Margaret Turnbull.....Principal, Watertown, S. D.

Class of 1907.

William Harvey Amos.....Minister, Ida Grove, Iowa.
James Albert Caldwell.....Hannah, N. D.
Robert W. Davies.....Superintendent, Morris, Minn.
Josephine Elmer-Ballou.....St. Paul, Minn.
Marshall Gregory Findley..Prof. Parsons College, Fairfield, Ia.
Richard David Hughes.....Minister, Cotter, Iowa.
Martha Antoinette Jacobson.....Teacher, St. Paul, Minn.
Henrietta Cecelia Lundstrom.....Teacher, Morris, Minn.
Rose Amelia Metzger-Nutt.....Sidney, Mont.
David McMartin.....Minister, Leadville, Colo.
Rhoda Catherine MacKenzie.....Teacher, Fruitvale, Cal.
Richard Samuel Nutt.....Bank Cashier, Sidney, Mont.
Ole Johnson Oie....Pres. Theo. School, Christiania, Norway.
William Fred Pottsmith.....Minister, Ellsworth, Wash.
Mary Pauline Payne..Instr. Macalester College, St. Paul, Minn.
Minerva Schlichting.....Deceased.
Ruth Adelia Sherrill.....Teacher, Morgan, Minn.
Mary Helen Smith-Jones.....St. Paul, Minn.
George Hill Smith.....Business, Excelsior, Minn.

Class of 1908.

George Kemp Aiken.....Editor, Roslyn, Wash.
Hanna Sophia Berg.....Teacher, Nymore, Minn.
Ralph Brinks.....Principal, Wimbledon, N. D.
Richard Stanley Brown.....Minister, Fairgrove, Mich.
Edith Frederica Cale.....Deceased.
Clifford Clement Cornwell.....Minister, Sherman, N. Y.
Evan Milton Evans.....Newfolden, Minn.
Rosella Evans.....Le Sueur, Minn.
James Todd Guy.....Lawyer, Milwaukee, Wis.
Mary Elizabeth Guy-Wallace.....Lyons, Wis.
Walter Mell Hobart.....Principal, Buffalo, N. D.
Lucy MaBelle Hyslop-Flinn.....Redwood Falls, Minn.
Nina Foy Johnson-Wallace.....Harrison, Ark.
Margaret Edith Lakey-McDonald.....Chicago, Ill.
Peter McEwen.....Minister, Earl Park, Ill.
Luke Edward Marvin.....Eveleth, Minn.
Martha Bessy Olson-Bromley.....Sitka, Alaska.
Stanley Hall Roberts.....Minister, Eden Prairie, Minn.
Lydia Anna Schroedel-Hobart.....Buffalo, N. D.

Clarence Mason Stearns.....Business, Sheldon, Iowa.
Robert Sinclair Wallace..U. S. Forest Service, Harrison, Ark.

Class of 1909.

Emma Bertelle Barker.....Teacher, Slayton, Minn.
Lucas H. Brinks.....Principal, Flandrau, S. D.
Albert Daniel Davies.....Teacher, Dover, Minn.
David Roy Jones.....Minister, Carlinville, Ill.
Lulu Lane Piper-Aiken.....Roslyn, Wash.

Class of 1910.

George Samuel Barclay Acheson.....
Teacher Protestant Coll., Beirut, Syria.
William Jefferson Bell.....Theo. Student, Princeton, N. J.
Joseph Vaclav Beran.....Hibbing, Minn.
Charles Taylor Burnley.....Kansas City, Mo.
Edward John Carson.....Theo. Student, Chicago, Ill.
John Andrew Evert, Med. Student U. of M., Minneapolis, Minn.
June Rose Evert-Lanterman.....Mandan, N. D.
Albert Howard Gammons....Theo. Student, San Anselmo, Cal.
Jesse Willis Hamblin.....Theo. Student, Chicago, Ill.
Stanley Hurlbut Hodgman.....Potlatch, Idaho.
William Andrew Horne.....Theo. Student, Chicago, Ill.
Helen Mary Hunt.....Teacher, St. Paul, Minn.
Edward Henry Joesting.....Theo. Student, St. Louis, Mo.
John Archibald McEwen.....Theo. Student, Chicago, Ill.
Sarah Grace McMartin.....Claremont, Minn.
Pearl Alma Nash.....Teacher, Pipestone, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Minnie Mae Pierson.....Minnewaukan, N. D.
Mary Elsie Raymond-Muhr.....Eugene, Ore.
Gladys Isabelle Roberts.....Teacher, Grand Rapids, Minn.
Jeannette Paulina Sawyer-Guild.....St. Paul, Minn.
Frederick Samuel Shimian.....Theo. Student, Omaha, Neb.
Elmer Stuart Smith.....Law Student, So. St. Paul, Minn.
Elizabeth Libby Staples.....St. Paul, Minn.
Vernon Elliott Stenerson....Law Student, Minneapolis, Minn.
Anna Elizabeth Taylor.....Teacher, Faribault, Minn.
Norman Kendall Tully.....Y. M. C. A., St. Paul, Minn.
Ruth Minerva von Dorn-Gammons.....San Anselmo, Cal.
June Adelia Woodward.....Teacher, Slayton, Minn.

Class of 1911.

William Ernest Baskerville.....Y. M. C. A., Omaha, Neb.
Charles Bremicker..Prof. Macalester College, St. Paul, Minn.
Allan Hill Brown.....Milwaukee, Wis.
Homer Clyde Cardle.....Business, Winnipeg, Can.
Fred F. Carson.....Teacher, Grand Rapids, Minn.
Janet Isabella Dodds.....Teacher, Gibbon, Minn.

Donald Smith Doty.....Law Student, St. Paul, Minn.
Effie Miranda Ellison-Miner.....Berkley, Cal.
Hulda Olivia Ellison.....La Moure, N. D.
Oscar Melvin Ellison.....Business, La Moure, N. D.
Marjory Lucy Hanson.....Teacher, Warren, Ohio.
Bayard William Heed.....Teacher, Huron, S. D.
Arthur Billings Hunt.....Midale, Sask.
Ernest Wilburt Johnson.....Teacher, Larimore, N. D.
Ina Elizabeth Lindsley.....Marshall, Minn.
Anna Mae Little-Johnson.....Larimore, N. D.
Luella Irene Murphy.....Teacher, Pierpont, S. D.
William Earls Noyes.....Teacher, Flandrau, S. D.
Adelaide Wadsworth Payne.....Teacher, Elk River, Minn.
Russell Stephen Peterson.....Teacher, Montevideo, Minn.
Leland William Porter.....Minister, Helena, Mont.
Edna Francis White-Becker.....Amboy, Minn.

Class of 1912.

Anna Elizabeth Anderson.....Teacher, Anoka, Minn.
Dorothy Elizabeth Baumgart.....Teacher, Austin, Minn.
Clara Berdan.....Teacher, Mora, Minn.
James Brinks.....Business, Zillah, Wash.
Orville Clifton Cardle.....Business, Winnipeg, Can.
Bessie Florence Clark.....Teacher, Mapleton, Minn.
Mabel Emma Cosgrove.....Teacher, Pipestone, Minn.
Elva May Davis.....Teacher, Kenyon, Minn.
Louise Lombard Davison.....Madison, S. D.
Jessie Ellen Fisher-Thomas.....Omaha, Neb.
Clarence Oscar Graue.....Brimson, Minn.
Lilah Agnes Holden.....Teacher, Hudson, Wis.
Florence Hunt.....Teacher, St. Paul, Minn.
Earl Duane Jenckes.....Tribune, Minneapolis, Minn.
Clarence Eugene Johnson.....Wayland, Minn.
Marion Burdick Jones.....Teacher, Sanborn, Minn.
Ruth Anna McKinlay.....Teacher, Silver Lake, Minn.
Clarice Audrey Miller.....Teacher, Preston, Minn.
Pearl Margueritte Palmer.....Madison, S. D.
John Gottfried Schmidt.....Teacher, Ashland, Neb.
William Ellison Scott.....Teacher, Kasson, Minn.
Ella A. Stearns.....Teacher, McIntosh, Minn.
Edna Alda Stewart.....Teacher, Rushford, Minn.
Cassie Marie Stoddart.....North St. Paul, Minn.
Oakley Russell Tripp.....Y. M. C. A., Minneapolis, Minn.
Oscar Westerlund.....Theo. Student, Rochester, N. Y.
Muriel Faye Wheeler.....Teacher, Zumbrota, Minn.
Harry Merrium Willmert.....St. Paul, Minn.
Ralph Calvin Wilson.....Teacher, Luverne, Minn.

Alumni of the School of Music.

Class of 1900.

Mrs. Maud Taylor-Hansen, piano.....Minneapolis, Minn.

Class of 1901.

Millicent Viola Mahlum, piano.....Brainerd, Minn.

Class of 1905.

Grace Tayor, voice.....
Mrs. W. H. Amos, piano.....Ida Grove, Iowa.

Class of 1906.

Carmen Mahlum, voice.....Brainerd, Minn.
Pearl Neeb, voice.....Lewiston, Minn.
Charrie Roberton, voice.....Rushford, Minn.
Mildred Gretchen Phillips, piano.....St. Paul, Minn.
Paul H. Th. Rusterholz, voice.....Red Wing, Minn.

Class of 1907.

Gyda Hansen, voice.....St. Paul, Minn.
Richard U. Jones, voice.....St. Paul, Minn.

Class of 1908.

Ethel Erckenbrack-Funk, voice.....Minneapolis, Minn.
Ada Nash, piano.....Pipestone, Minn.
Gladys Neff, piano.....Neillsville, Wis.
Minnie Tullar, piano and voice.....Warren, Minn.
Clara Odenwald, voice.....Jordan, Minn.

Class of 1909.

Lorraine Vern Miller, piano.....La Moure, N. D.
Rhea Le Pierre Rocheleau, piano.....Ocean Park, Cal.
Anna May Woodworth, piano.....Carlton, Minn.

Class of 1910.

Ardelia Bisbee, piano.....Madelia, Minn.
Mildred C. Corliss, piano.....Grand Forks, N. D.
Ada Dahlgren, voice.....Fergus Falls, Minn.
Lillian Hall, voice.....Minnewaukan, N. D.
Estelle Spayde, voice.....Rapid City, S. D.

Class of 1911.

Charlotte Burlington, piano.....Bolivar, N. Y.
Elva May Davis, voice.....Madison, S. D.
Katherine Gamble, voice.....Wayne, Neb.
Myrtha Marie Gunderson, piano.....St. Paul, Minn.
Ethel Haggard-Stewart, piano.....St. Paul, Minn.
Stella Wilhelmina Heger, voice.....St. Paul, Minn.

Class of 1912.

Genevieve M. Carver.....Luverne, Minn.
Ethel Wilcox.....Mankato, Minn.
Lottie M. Olson.....Argyle, Minn.
Alice R. Olson.....Fargo, N. D.
Louise Appel.....Springfield, Minn.
Erna Appel.....Springfield, Minn.

Roll of Students.

COLLEGE.

Senior Class.

Enoch Newman Bengtson.....Rush, City, Minn.
Ragna Leonora Bye.....St. Paul, Minn.
Lenna May Campbell.....Minneapolis, Minn.
Wilfrid Gladstone Campbell.....Superior, Wis.
Paul Ephraim Carlson.....Harris, Minn.
Mary Genevieve Carver.....Luverne, Minn.
George Oliver Chase.....Florence, Neb.
Leonard Alvin Clark.....Eden Prairie, Minn.
Mary Bernice Clark.....Eden Prairie, Minn.
Emma Joy Frederick.....Rockford, Minn.
William Henry Wallace Holley.....East Grand Forks, Minn.
Berenice Antoinette Kellogg.....St. Paul, Minn.
Robert Lloyd Lang.....Mapleton, Minn.
Del Leslie Laughlin.....Lisbon, N. D.
Grace Eloise McClure.....Litchfield, Minn.
Joseph Robert Neller.....Austin, Minn.
Norton Walter Peet.....Wolverton, Minn.
William Conkey Phillips.....Eastberg, Alberta.
Edith Beatrice Pierson.....Minnewaukan, N. D.
Ruth Lynn Porter.....Madison, S. D.
Adeline Marie Rosebrock.....Owatonna, Minn.
Mabel Josephine Scott.....Dawson, Minn.
Ray Simons .....Virginia, Minn.
James Merton Snyder .....Fulda, Minn.
Marie Ellen Thomas.....Minneapolis, Minn.
Lucius Harlow Watkins.....Carlton, Minn.
Katie Lillian White.....Claremont, Minn.
Vera May Zimbeck.....Montevideo, Minn.

Junior Class.

Oscar Enoch Alm.....Winthrop, Minn.
Carrie Ellen Alvord.....Washburn, Wis.
Richard Harlow Anderson.....Donnelly, Minn.
Wallace Jay Anderson.....Eden Prairie, Minn.
Harold Harvey Baldwin.....Milnor, N. D.
Hosea Greenwood Bosley.....St. Paul, Minn.
Ruby Bredenhagen .....St. Paul, Minn.
Arthur George Brown.....Eden Prairie, Minn.
Truman Dean Brown.....Eden Prairie, Minn.
Lulu Ellen Carey.....Duluth, Minn.
Charles Edward Clark.....Blue Earth, Minn.

Howard Edward Clark.....Eden Prairie, Minn.
Gerald Curtis Dale.....Madison, Minn.
Margaret MacGregor Doty.....St. Paul, Minn.
Leslie Lisle Druley.....Prescott, Wis.
Vera Margery Dunlap .....St. Paul, Minn.
Lloyd Gilmore.....Hope, N. D.
Nell Greeley.....Minneapolis, Minn.
Burton Patriquine Holt ..... Whitman, Mass.
Constance Pearl Johnson ..... St. Paul, Minn.
Alice Louise Lindsley ..... Marshall, Minn.
Mable Mohr ..... Buffalo, N. D.
Evelyn Pickthorn ..... Brown's Valley, Minn.
Helen Maria Prosser ..... Duluth, Minn.
Harold Percy Roberts ..... Minneapolis, Minn.
Gertrude Gray Smith ..... St. Paul, Minn.
Ole F. Strand ..... Towner, N. D.
Helen Antonia Stratte ..... Dawson, Minn.
Selma Ovidia Stratte ..... Dawson, Minn.
Florence Adell Switzer.....Two Harbors, Minn.
Charles Albert Thomas ..... Brown's Valley, Minn.
Della Ann Trotter ..... Dawson, Minn.

Sophomore Class.

Clark Albin Abrahamson ..... Towner, N. D.
Paul Benjamin Bremicker ..... St. Paul, Minn.
Olive Margaret Brown ..... Pipestone, Minn.
Margaret Buckbee ..... Minneapolis, Minn.
Mary Reid Cardle ..... Blue Earth, Minn.
Etta Marie Cinclair ..... Montevideo, Minn.
Edward Maurice Clark ..... Eden Prairie, Minn.
Lucile Dahl ..... Bismarck, N. D.
William Albert Dalton ..... Birmingham, England.
Marie Eleanor de Booy ..... Elk River, Minn.
Edwin Gustaf Englund ..... Hallock, Minn.
Ruth Marie Featherstone ..... Hastings, Minn.
Eunice Geer Finch ..... Slayton, Minn.
Alice Julia Flinn.....St. Paul, Minn.
Edith Almeda Haigh ..... St. Paul, Minn.
Urban Homer Hanson ..... Ashland, Wis.
John Leslie Harvey ..... Banbridge, Ireland.
Hillard Herman Holm ..... Carver, Minn.
May Lucile Kingsland ..... St. Paul, Minn.
Charles Louis Lick ..... St. Paul, Minn.
Edward Everett McCabe ..... St. Paul, Minn.
Christine McMartin ..... Claremont, Minn.
Harold James Matteson ..... Duluth, Minn.
Russell Briston Melin ..... Red Wing, Minn.
Erwin Herbert Metag ..... Morgan, Minn.
Erling Monnes ..... Vancouver, Wash.
Esther May Neller ..... Austin, Minn.

Emily Helen Payne ..... St. Paul, Minn.
John Paul Peterson ..... Moorhead, Minn.
Jessie Winifred Porter ..... St. Paul, Minn.
Llewellyn Demi Porter ..... Dassel, Minn.
Madge Porter ..... Madison, S. D.
Frieda Jeannette Radusch ..... St. Paul Park, Minn.
Ralph Woods Ross ..... Calvin, N. D.
Plato Earl Sargent ..... Red Wing, Minn.
Herbert Harrison Sell ..... Cloquet, Minn.
Ruth Virden Slagg ..... Pipestone, Minn.
Henry Frank Softley ..... Colchester, England.
Smith Taylor ..... Towner, N. D.
Elmer Trolander ..... Alborn, Minn.
Arthur Elliott Vik ..... Willmar, Minn.
Gwendolyn Bromley Williams ..... Duluth, Minn.
Trevor George Williams ..... St. Paul, Minn.
Bert Benjamin Willmert ..... Blue Earth, Minn.
Ross Henry Willmert ..... Blue Earth, Minn.
Dorothy Lee Womack ..... Minneapolis, Minn.

Freshman Class.

Wilburt Fred Bagley ..... St. Paul, Minn.
Albert Christopher Barbo ..... St. Paul, Minn.
Mabel Borg ..... Redwood Falls, Minn.
John Franklin Boyles ..... Sioux Falls, S. D.
Adalbert Ferdinand Bremicker ..... St. Paul, Minn.
Grace Emily Brown ..... St. Paul, Minn.
Lucia Rebecka Brown ..... St. Paul, Minn.
Beryl Alberta Brownlee ..... Blue Earth, Minn.
Gordon Lyman Brownlee ..... Blue Earth, Minn.
Karl William Buckholz ..... Sanborn, Minn.
Rex Henry Burger ..... Sioux Falls, S. D.
Josephine Byrnes ..... Minneapolis, Minn.
Harriet Martha Caldwell ..... Monango, N. D.
William Lloyd Caldwell ..... Monango, N. D.
Howard Eugene Cammack ..... St. Paul, Minn.
Alice Blanche Carlson ..... St. Paul, Minn.
Ellen Mary Chase ..... Minneapolis, Minn.
George Rowland Collins ..... Walhalla, N. D.
Luella Clara Conley ..... Williston, N. D.
Marguerite Edna Cottrell ..... Luverne, Minn.
Francis Marion Dana ..... St. Paul, Minn.
Margaret Defiel ..... St. Paul, Minn.
Hortense Alpha De Tuncq ..... St. Paul, Minn.
Josephine Dixon ..... Warren, Minn.
Marion Ellen Dolan ..... St. Paul, Minn.
Margaret Douglass Downing ..... St. Paul, Minn.
Edmund Smith Durment, Jr. ..... St. Paul, Minn.
Gwendolyn Lotimer Eastman ..... St. Paul, Minn.
Verna Pearl Fenstermaker ..... Beaver Creek, Minn.

Emanuel Ossian Franklin ..... Pennock, Minn.
Donna Louise Geddes ..... St. Paul, Minn.
James Parker Gordon ..... Little Falls, Minn.
Lloyd Walter Green ..... Carlton, Minn.
William Taber Greig ..... St. Paul, Minn.
Helen Charlotte Gullikson ..... Blue Earth, Minn.
Vergil Homer Guthrie ..... Newton, Iowa.
Ruby Alberta Headley ..... Two Harbors, Minn.
Carl Forest Hillweg ..... Minneapolis, Minn.
James Kidd Hilyard ..... St. Paul, Minn.
Ralph Edward Hubbard ..... St. Paul, Minn.
Howard Huelster ..... St. Paul, Minn.
Vincent Raymond Hunt ..... Bricelyn, Minn.
Constance Darling Hunter ..... Langdon, N. D.
Bertha Mamie Hurr ..... Shakopee, Minn.
Floyd Dennis Hynes ..... Carlton, Minn.
Louis Iverson ..... Badger, Minn.
Emil Henry Jensen ..... Glenwood, Minn.
William Watson Kane ..... St. Paul, Minn.
Gordon Lewis Keeley ..... Hudson, Wis.
Christopher Leo Kenny ..... St. Paul, Minn.
Fred Joseph Kenny ..... St. Paul, Minn.
Glenn Dale Lacey ..... Litchfield, Minn.
Thomas Kees Laird ..... Oakland, Minn.
John Archie Lawler ..... Rochester, Minn.
Catharine Deaver Lealtad ..... St. Paul, Minn.
Clarence Ervin Lee ..... Walhalla, N. D.
John Harry Lewis Jr. ..... St. Paul, Minn.
David Nathanael Ling ..... Kerkhoven, Minn.
Lillian Beatrice Luckert ..... St. Paul, Minn.
Harriet J. McAllister ..... Slayton, Minn.
John Thomas McCallum ..... St. Paul, Minn.
Jessie Elizabeth McClure ..... Litchfield, Minn.
Emily Lois McConkey ..... Brewster, Minn.
Kidwell Ritenour MacKnight ..... St. Paul, Minn.
Angus James McLaughlin ..... Blue Earth, Minn.
Ivy Fern Mack ..... St. Paul, Minn.
Loana Miriam Miller ..... St. Paul, Minn.
Mabel Griffiths Montgomery ..... Oriska, N. D.
John Moody ..... Minneapolis, Minn.
Samuel Minnis Munson ..... Withee, Wis.
Carl Oscar Nelson ..... Minneapolis, Minn.
Conrad Arthur Nelson ..... Glenville, Minn.
Lyle Thomas Olcott ..... St. Croix Falls, Wis.
Adolf Olson ..... St. Paul, Minn.
Alice Mabel Olson ..... St. Paul, Minn.
Lewis Olson ..... Aurora, Ill.
Herbert Comstock Otis ..... St. Paul, Minn.
Victor Sigurd Pearson ..... St. Paul, Minn.
Dan Elmer Peterson ..... Colton, S. D.

Sadie Louise Porter ..... Dassel, Minn.
Theron Libby Rank ..... Dover, Minn.
Howard Johnson Rankin ..... St. Paul, Minn.
Morris Roberts ..... St. Paul, Minn.
Lillian Sutherland Robinson ..... St. Paul, Minn.
Walter Nelson Rowley ..... Rochester, Minn.
Elsie Mabel Salisbury ..... Montevideo, Minn.
Samuel Gottlieb Schiek ..... Grant Park, Ill.
Zylpha Lauretta Sharpe ..... St. Paul, Minn.
John Lyman Sheean ..... Cloquet, Minn.
Florence Victoria Slawik ..... St. Paul, Minn.
Justus Eugene Smith ..... Minneapolis, Minn.
Edith Louise Speckman ..... St. Paul, Minn.
Helen Stanley ..... Minneapolis, Minn.
Alice Emma Stearns ..... Jasper, Minn.
Minnie Olina Stone ..... Dassel, Minn.
William McIntyre Stronach ..... Delhi, Minn.
William Summerfield ..... Cloquet, Minn.
Ellen Elizabeth Swanson ..... Gladstone, Minn.
Fred Maxwell Switzer ..... Two Harbors, Minn.
Fay Lex Taylor ..... Towner, N. D.
Vera Marie Utter ..... St. Paul, Minn.
William Liston Walker ..... Stephen, Minn.
Marie Siloam Watkins ..... Carlton, Minn.
Irving Howard Williams ..... Winona, Minn.
Sidney Williams ..... Flint, Mich.
Allen Clement Wolff ..... Hector, Minn.

Special Students.

Anna Merita Armstrong ..... Cloquet, Minn.
Daisy A. Christensen ..... Madelia, Minn.
Hazel Gertrude Clark ..... Mankato, Minn.
Mildred Annetta Dossett ..... Madelia, Minn.
Tilda Alvina Ferring ..... Lamberton, Minn.
Alice Elvira Larson ..... Alexandria, Minn.
Erma Violet Pierson ..... Minnewaukan, N. D.
Hazel Louisa Roche ..... Farmington, Minn.
Ethel May Stewart ..... St. Paul, Minn.
Marjorie May Sweeney ..... Red Wing, Minn.
Mary Frances Symonds ..... Wendell, Minn.
Stella Alice Tuttle ..... Hastings, Minn.
Hermia Gazelle Viets ..... Fairmount, N. D.
Margaret Jane Williams ..... Minneapolis, Minn.
Amelia Wolf ..... Nerstrand, Minn.
Vernie Henrietta Wolfsberg ..... St. Paul, Minn.
Agnes Valerian Wunderlich ..... Faribault, Minn.
Gladys Ruth Ziesemer ..... St. Paul, Minn.

Baldwin School.

Senior Class.

Arthur Glenn Adams ..... Minneapolis, Minn.
Theodore Emil Anderson ..... St. James, Minn.
Lucy McRae Bosley ..... Coburg, Mont.
Adalbert Ferdinand Bremicker ..... St. Paul, Minn.
Charlotte Agatha Burlington ..... St. Paul, Minn.
Carroll Clayton Chase ..... St. Paul, Minn.
Katharine Currie Davies ..... St. Paul, Minn.
Luther Barwise Harrison ..... St. Paul, Minn.
Milton Boyce Hebeisen ..... Carver, Minn.
Swan William Mattson ..... Kensington, Minn.
Helen Minerva Moore ..... Minneapolis, Minn.
Ethel Grace O'Neale ..... Calvin, N. D.
Ernest Alonzo Sletteland ..... Pigeon Falls, Wis.
Miriam Winifred Wallace ..... St. Paul, Minn.
Glendon Sidney Welshons ..... Stillwater, Minn.
Dorothy Yetter ..... Stephen, Minn.

Junior Class.

Aita Marion Bean ..... St. Paul, Minn.
Everett Franklin Bosley ..... Harlem, Mont.
Henrietta Brawley ..... St. Paul, Minn.
Henry Wheeler Chase ..... Minneapolis, Minn.
Vida Lucinda Clow ..... Humboldt, Minn.
Frances Dunning ..... St. Paul, Minn.
Ernest Ellis ..... Harlem, Mont.
James Wentworth Freeman ..... St. Paul, Minn.
Robert Francis Gale ..... Carver, Minn.
Laura Ella Griffith ..... St. Paul, Minn.
Mary Hitchcox ..... St. Paul, Minn.
Frank Orville Holmes ..... St. Paul, Minn.
George Arthur Jensen ..... Glenwood, Minn.
Ernest Lindahl ..... Minneapolis, Minn.
Thomas Seward Lovering ..... St. Paul, Minn.
Daniel Wallace McCaul ..... Walhalla, N. D.
Wendell Scott McRae ..... St. Paul, Minn.
Ruth Ludlow Moore ..... Minneapolis, Minn.
William Riley ..... St. Paul, Minn.
Kate Carrie Young ..... St. Paul, Minn.

Sophomore Class.

Richard Hunter Bennett ..... St. Paul, Minn.
Ernest Frederick Bremmer ..... St. Paul, Minn.
Alice Rowe Brown ..... St. Paul, Minn.

Elmo Frederick Brusch ..... St. Paul, Minn.
Edith Henrietta Cesander ..... St. Paul, Minn.
Erling Johan Eriksen ..... Two Harbors, Minn.
Raymond Kirk Gooch ..... St. Paul, Minn.
Wallace Sumner Hall ..... St. Paul, Minn.
Lucile Janet Harrison ..... St. Paul, Minn.
Ira Easton Hurley ..... Walhalla, N. D.
John Macfarlane Johnson ..... St. Paul, Minn.
Irvin Adin Lowry ..... Oakland, Minn.
Andrew McGinley ..... St. Paul, Minn.
Helen Willina McRae ..... St. Paul, Minn.
Ruth Cleone Parsons ..... St. Paul, Minn.
Alfred Melvin Peterson ..... Richville, Minn.
Kathryn Powers ..... St. Paul, Minn.
Alice Burgoyne Spencer ..... St. Paul, Minn.
David Leonard Strand ..... Morgan, Minn.
Arnold John Swanson ..... Moose Lake, Minn.
Lewis James Symonds ..... Wendell, Minn.
Fremont David Taylor ..... Aitkin, Minn.
Thomas Edward Waddelow ..... Fairfield, Ill.
Margaret Thompson Walters ..... St. Paul, Minn.
Fred Augustus Waterous ..... St. Paul, Minn.
Fridolf Lawrence Westholm ..... Moose Lake, Minn.

Freshman Class.

Mary Pittenger Blakeslee ..... St. Paul, Minn.
Ralph Bernhard Bremmer ..... St. Paul, Minn.
Gladys Grace Carlson ..... St. Paul, Minn.
Elton Kellogg Crowell ..... Minneapolis, Minn.
Thomas Rolla Crowell ..... Minneapolis, Minn.
Florence Anne Defiel ..... St. Paul, Minn.
Muriel Emily Carr Eastman ..... St. Paul, Minn.
John Lewis Ferry ..... Outlook, Sask.
Roy Gardner Foote ..... St. Paul, Minn.
Martha Gray Freeman ..... St. Paul, Minn.
Victor Karl Funk ..... St. Paul, Minn.
George Peter Gordon ..... Odanah, Wis.
Walter Chris Hanson ..... Hammond, Wis.
Jeannette L. Headley ..... Two Harbors, Minn.
Helen Gertrude Kearns ..... St. Paul, Minn.
Margaret McLeod ..... St. Paul, Minn.
Norman Mellbye ..... Sherburne, Minn.
Robert Hugh Owen ..... Minneapolis, Minn.
Norma Edith Reed ..... Burr Oak, Iowa.
Henry Jacob Soltau ..... Lester Prairie, Minn.
Roy Andrew Stougaard ..... St. Paul, Minn.
Frank Edmond Trolander ..... Alborn, Minn.
Albert Edward Wardle ..... Sandstone, Minn.

Special Students.

Pearl Lucretia Fox	Comfrey, Minn.
Marjorie Marie Fuller	St. Paul, Minn.
Mae Appelman Gifford	Elkader, Iowa.
Ruby Alberta Headley	Two Harbors, Minn.
Amy Jane Kingston	Armstrong, Iowa.
Lillian McRae	Lee, Mont.
Aziz Nofel	Tripoli, Syria.
Melvin Melington Oppegard	Madison, Minn.
Geneva Pearl Samson	St. Paul, Minn.
Clarence John Vokoun	St. Paul, Minn.
Harry Ellis Weinberg	Duluth, Minn.
Bertha Esther Williams	Minneapolis, Minn.

Summary of Students.

College	212
College Specials	18
Baldwin School	85
Baldwin School Specials	12
Total	327
Counted Twice	2
Net, Total	325

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Macalester College Bulletin

Catalogue Number
April, 1914

Volume II, New Series Number 3

GENERAL VIEW OF EDUCATIONAL PLANT

Men's Dormitory Main Hall Science Hall

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11 MAY 1914

Catalogue

Macalester College

1913 - 1914

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under act of congress July 16, 1894.

Issued Quarterly in October, January, April and June.

College Calendar

1914-1915

1914

June 5. Friday, 8:15 p. m., Commencement, Baldwin School.
June 6. Saturday, 8:15 p. m., Senior Class Play.
June 7. Sunday, 10:30 a. m., Baccalaureate Sermon.
June 7. Sunday, 8:00 p. m., Alumni and Christian Associations' Sermon.
June 8. Monday, 8:15 p. m., Senior Class Play.
June 9. Tuesday, 10:00 a. m., Class Day Exercises.
June 9. Tuesday, 1:30 p. m., Annual Meeting of Board of Trustees.
June 9. Tuesday, 8:15 p. m., Recital, School of Music.
June 10. Wednesday, 10:00 a. m., Twenty-fifth Annual Commencement.
June 10. Wednesday, 1:15 p. m., Alumni Banquet.
June 10. Wednesday, 8:00 p. m., President's Reception.
Sept. 7-9. Monday-Wednesday, Registration Days.
Sept. 9. Wednesday, 10:30 a. m., First Semester begins.
Nov. 26-27. Thursday-Friday, Thanksgiving Recess.
Dec. 18. Friday, 4:20 p. m., Christmas Vacation begins.

1915

Jan. 6. Wednesday, 8:00 a. m., Christmas Vacation ends.
Jan. 29. Friday, First Semester ends.
Feb. 2. Tuesday 8:00 a. m., Second Semester begins.
Feb. 12. Friday, Lincoln's Birthday.
Feb. 22. Monday, Washington's Birthday.
March 31. Wednesday, 4:20 p. m., Easter Vacation begins.
April 7. Wednesday, 8:00 a. m., Easter Vacation ends.
June 9. Wednesday, Second Semester ends.

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G. D. DAYTON.....Second Vice-President
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C. E. MACKEAN.....Treasurer
H. F. SOFTLEY.....Accountant

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A. R. CHACE (Resigned).....Marshall, Minn.
THOMAS B. JANNEY.....Minneapolis, Minn.
O. A. ROBERTSON.....Minneapolis, Minn.

TERMS EXPIRE JUNE, 1915

REV. H. C. SWEARINGEN, D. D.....St. Paul, Minn.
E. B. KIRK.....St. Paul, Minn.
REV. JOHN E. BUSHNELL, D. D.....Minneapolis, Minn.
WATSON P. DAVIDSON.....St. Paul, Minn.
P. L. HOWE.....Minneapolis, Minn.

TERMS EXPIRE JUNE, 1916

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GEORGE D. DAYTON.....Minneapolis, Minn.
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T. MOREY HODGMAN, ex-officio.....St. Paul, Minn.

* Deceased.

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* Deceased.

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Mathematics.
Residence, 476 Ashland Avenue. N. W. Dale 2450.

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Professor of Bible. Head Professor of Bible Training Department.
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Residence, 1641 Laurel Avenue. N. W. Midway 2178.

ANDREW WORK ANDERSON, A. M.,
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DAVID NEWTON KINGERY, A. M.,
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Residence, 135 Amherst Street.

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Professor of English Literature and Old English.
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Professor of Greek and Principal of Baldwin School.
Residence, 1668 Princeton Avenue.

GEORGE WILLIAM DAVIS, Ph. D., D. D.,
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Residence, 2268 Blake Avenue. N. W. Midway 1152.

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Associate Professor of German.
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N. W. East 2985.

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Instructor in French and German.
Residence, 191 Macalester Avenue. N. W. Midway 1084.

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GRACE B. WHITRIDGE

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R. U. JONES

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R. U. JONES
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H. D. FUNK
MAY GIBSON

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LILY I. LEWIS
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Advisers

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JAMES WALLACE
H. D. FUNK

H. O. BURGESS
R. U. JONES
H. S. ALEXANDER

GLENN CLARK

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BERT B. WILLMERT.....Junior Representative
JESSIE McCLURE.....Sophomore Representative
C. E. RALPH.....Freshman Representative
J. W. FREEMAN.....Academy Representative

Other Officials

Housekeeper of Wallace Hall.....ALICE M. CLOUGH
Stewart of Edwards Hall.....VINCENT HUNT
Stewart of Uta Ota Club.....GORDON KEELEY
Stewart of Euthenian Club.....GEORGE JENSEN
Head Engineer.....SAMUEL M. COOKMAN
Assistant Engineer, Wallace Hall.....MORRIS BLAISDELL
Assistant Engineer, Main Building.....FRANK GERTZ
Head Janitor.....L. G. WEIR

In Memory of

Robert Alexander Kirk

BORN
August 28, 1837

DIED
October 5, 1913

Vice-President of the Board of Trustees

College Chapel, October 17, 1913

Invocation—Rev. F. D. McRae, D. D.
Hymn—Peace, Perfect Peace—By the Congregation.
Scripture Selections—Rev. H. C. Swearingen, D. D.
Address—Service to the College—Dr. James Wallace.
Address—Influence on the Board—Professor Thomas Shaw.
Vocal Solo—Crossing the Bar—Professor Harry Phillips.
Address—Service to the Community—Mr. R. C. Jefferson.
Address—Personal Relations to the College—Dean Julia M. Johnson.
Address—The Tribute of the Alumni—Miss Anna M. Dickson, Class of 1898.
Vocal Solo—There is a Land Mine Eye Hath Seen—Professor Harry Phillips.
Address—A Personal Tribute—President T. Morey Hodgman.
Address—The Compelling Motive—Rev. Maurice D. Edwards, D. D.
Prayer—Rev. John E. Bushnell, D. D.
Benediction—Rev. George W. Davis, D. D.

In Memory of

Frederick Weyerhaeuser

BORN
November 21, 1834

DIED
April 4, 1914

Patron of Christian Education

The mercy of the Lord is from everlasting to everlasting upon them that fear him, and his righteousness unto children's children.

In Memory of

Rev. Robert N. Adams, D.D.

BORN
September 17, 1835

DIED
March 24, 1914

Trustee of The College
1896—1905

Blessed are the dead who die in the Lord . . . . that they may rest from their labors; for their works do follow them.

General Information

Historical Sketch

Macalester College is the outgrowth of the Baldwin School of St. Paul, projected by Rev. Edward D. Neill, D. D., as far back as 1853; and of a similar institution opened in 1873 by the same gentleman in Minneapolis. In 1874 Charles Macalester, of Philadelphia, donated to this school the valuable property known as the Winslow House, near the Falls of St. Anthony, with the understanding that as soon as possible it should be developed into a college. In his honor the institution was named Macalester College. Until 1880 it was an undenominational school. In October of that year it was adopted by the Synod of the Presbyterian Church of Minnesota. In 1883 a syndicate of the trustees bought the present site and gave it to the Board of Trustees. The first building thereon was erected in 1884 and the college was opened September 15, 1885.

Rev. Dr. Neill, the founder of the college, born in Philadelphia in 1823, was graduated from Amherst in 1842. After completing his theological studies under Rev. Albert Barnes, he came west, and in 1849, commissioned by the presbytery of Galena, Illinois, came to St. Paul as a missionary to the whites. Thereafter until his death (except during the Civil War) he devoted his time about equally to the work of Christian minister and educator. He was the first territorial superintendent of public instruction and the first chancellor of the State University. He is the author of Neill's History of Minnesota, and also of valuable monographs on colonial history. He died September 26, 1893.

Next to Dr. Neill, in point of disinterested service for the college, stands Rev. Daniel Rice, D. D. Educated at Amherst College and at Andover Seminary, after long and useful service in Ohio and Indiana, he came to Minnesota in 1875. The late years of his life (1879-1889) he devoted wholly and gratuitously to the upbuilding of this institution of which he was an honored trustee and professor.

Others most actively interested in the establishment of Macalester College were William C. Baker, Richard Chute, W. W. McNair, John S. Pillsbury, Judge C. E. Vanderburgh, Rev. J. C. Whitney, Hon. Eugene M. Wilson, Rev. Robert F. Sample, Henry J. Horn, Henry M. Knox, H. L. Moss, Governor Alexander Ramsey,

Chas. T. Thompson, Robert P. Lewis, H. K. Taylor, Thomas Cochran and Major B. F. Wright. Later, the College found warm friends and supporters in Rev. David James Burrell, D. D., and Rev. J. B. Donaldson, D. D., for several years president of the Board of Trustees. This list would not be complete without mention of the name of James Wallace, Ph. D., acting president 1894-1900 and president 1900-1906, whose faith and loyalty never faltered during the dark days following the panic of the early nineties. A number of the trustees were honored sons of Eastern colleges, such as Amherst, Hamilton, Williams, Lafayette, University of New York and Union. The purpose, therefore, in the minds of these men was to build up in the Northwest an institution after the noble character and aims of these institutions whence they came. This was their ideal.

From the beginning Macalester College was burdened with debt, and although, under the leadership of Dr. James Wallace and Rev. David C. Platter, financial secretary, this debt was considerably reduced, yet, on account of the hard times of the nineties, it had, by June, 1898, risen to $180,000. Again, under Dr. Wallace's administration, with the energetic assistance of Robert A. Kirk, Thomas Shaw and Rufus C. Jefferson, the board was reorganized, the debt liquidated, and efforts for a permanent endowment begun. By February, 1907, pledges had been made amounting to about $175,000.

Dr. James Wallace resigned the presidency June, 1906, and in January, 1907, Thomas Morey Hodgman, of the University of Nebraska, was elected president. On July 1, 1911, the trustees certified that a total of $467,000 had been given; that of this total, $307,000 was invested in endowment securities and $160,000 in Wallace Hall and Carnegie Science Hall; that total assets were then $670,000, and that Quail, Parker & Co., Certified Public Accountants, had audited the financial accounts and standardized the method of bookkeeping. The chief gifts were $75,000 from the General Education Board, $50,000 from Mr. Andrew Carnegie, $50,000 from Mr. James J. Hill, $50,000 from Mr. Frederick Weyerhaeuser, $25,000 from Mr. O. A. Robertson and over $75,000 from other Trustees. The debt of gratitude which church and college owe those who clung to the institution and who came to its help in the dark days—many of them are still members of the Board of Trustees—is not yet fully appreciated and can never be repaid.

The patience, devoted loyalty and heroic sacrifices wrested a great victory out of apparent defeat.

Macalester College celebrated its quarter centennial June, 1910, with impressive ceremonies. By direction of the Board of Trustees and at the expense of the college, a History of Macalester College was published by Professor Henry D. Funk.

Macalester College sets, for its ideal of efficiency, an endowment of $1,000,000, a plant of $500,000 and a maximum attendance of 500 college students. Its most pressing needs are more endowment, a gymnasium for men, a central heating and power plant and a library building.

The Trustees are now prosecuting a campaign for $250,000 of additional endowment, which they expect to complete July 1, 1914.

Location

Macalester College is located in Macalester Park, St. Paul, a beautiful suburb in the so-called Midway district. The location is favorable for study, for the development of a pure and wholesome college life, and for careful supervision of the conduct of students. Easy access to the Twin Cities is afforded by the Grand Avenue and Snelling Avenue electric lines—the latter of which connects with all four interurban lines. This combination of college and city life is a unique advantage to Macalester students. The cultural opportunities which the public libraries, churches, lecture courses and musical entertainments of these cities offer, are important and react most beneficially upon both faculty and students.

Campus

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue, a fine boulevard two hundred feet in width, which connects the Twin Cities. The College buildings, eight in number, are situated on the north half of the campus, while the ample athletic field, grove of oaks and ice skating rink occupy the southern half.

Buildings and Equipment

The Main Building is of brick, one hundred feet long and fifty feet wide, three stories high with basement, and contains class rooms, society halls, men's gymnasium, library, auditorium and executive office. The building is heated by steam and provided with its own electric light plant.

The Carnegie Science Hall, the gift of Mr. Andrew Carnegie, is a three-story building with a full height basement. It is essentially fire proof, being constructed of reinforced concrete and brick. The exterior is of colonial brick with trimmings of Bedford limestone. The floors are of maple over reinforced concrete except those of the halls which are of cement with terrazzo borders. The interior finish and furniture are of birch. The basement contains a wood shop and a metal shop for manual training. The first floor is devoted to physics and mineralogy; the second to biology, mathematics and astronomy; and the third to chemistry. The entire building is electrically lighted and steam heated. Ventilation is of the most approved type. Pure air passes into the basement over steam coils and is driven through the building by electric fans. In the attic another fan draws out the foul air. Electrical connections are provided in all of the lecture rooms for both direct and alternating currents for projection as well as for general demonstrations and lectures. Light is abundant and well directed. For its size and purpose this building has no superior.

Museum.—In the Science Hall is the Museum, small at present, but growing. The Lewis Collection of Indian relics is rare and valuable, as is also the Educational Collection of marine invertebrates and fishes contributed by the Smithsonian Institution, Washington, D. C. Friends are invited to keep in mind the importance of a museum in educational work.

The Men's Dormitory is a three-story brick building, ninety feet long by thirty-eight feet wide. The second and third floors contain twenty double rooms designed to accommodate two students each. The rooms are furnished with plain, substantial furniture, are well lighted and thoroughly comfortable. This hall is for men exclusively. The building is heated by steam and lighted by gas. Students must care for their own rooms or arrange with some one to do so.

Wallace Hall is a new building for women, situated at the corner of Summit and Macalester avenues, and so arranged that sunlight falls into every room. In addition to the students' rooms there are elegant parlors, a dining room that seats one hundred, and a large gymnasium in the basement. The classes for the physical training of women are held here. It is heated by steam, lighted by electricity, has hot and cold water in every room, shower and tub bath facilities. It accommodates eighty students. The whole

building has every modern appointment and is absolutely fireproof. It is believed that no building of its kind west of Chicago can approach it or be compared with it in plan and equipment. Choice of rooms will be given in order of application.

Edwards Hall is a substantial three-story commons for men, on Macalester Avenue, one block south of the college. It is named after W. C. Edwards, of St. Paul, through whose liberality it was erected. It sets tables for seventy-five. The students in this building form a club and manage the boarding department under a matron and other officers of their own choice, subject to the general supervision of the faculty.

Taylor Cottage, named in memory of H. Knox Taylor, a trustee and treasurer, is a frame building, used at present as a professor's residence.

Euthenian Hall, corner of Lincoln and Snelling avenues, is a commodious and attractive dormitory, leased by a club of men and under the management of its officers. It lodges twenty students and has dining room facilities for twenty-five.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus, used as a practice hall by the School of Music. It contains sixteen rooms, heated by steam and lighted by gas.

Heat, Light and Power Plant.—A central plant containing two boilers, an engine and a dynamo, supplies the Main Building, the Men's Dormitory and the Science Hall with steam heat, electric light and power.

Shaw Field.—Provision for the encouragement and development of outdoor athletics has been made by the construction of the Thomas Shaw Athletic Field. This contains four acres of the campus lying directly south of the main building and is inclosed by an iron fence. A quarter-mile track, twelve feet wide, with turns on a hundred-foot radius, is one of the important features of the field. This track is on a dead level and has a foundation of coarse cinders five inches deep, on top of which is a layer of fine surfacing cinders two inches deep. The part of the field inclosed by the track is laid out as a football and baseball field and also provides room for an outdoor basketball field. The whole area within the track is perfectly level and, with the exception of the diamond, is seeded down with a special mixture of lawn grass seed which will stand the rough usage athletic fields naturally receive.

On the east side of the field between the fence and the track lies an elevated strip about thirty feet wide along which a series of bleachers is being constructed. These are to be in units having a seating capacity of about five hundred each.

The track in front of the bleachers has straight extensions at the corners which provide a straightaway track for all the short races, while just inside the curb the proper settings are provided for the pole vault, the running and broad jump and the discus throw.

Shaw field, which was dedicated at the opening of the school year in 1909, was named in honor of Professor Thomas Shaw, President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

The college buildings with their furnishings, laboratory equipment, library, together with the campus, are conservatively valued at $372,842.

Library

The Library contains about thirteen thousand six hundred volumes. The working collection is located on the third floor of the Main Building; less used books are on other floors. For greater security the Neill collection has been placed in the museum room in Science Hall; in this building also are department collections.

The Neill collection includes rare works in Puritan and Colonial history and theology, and in early American travels, together with examples of fifteenth and sixteenth century printing and valuable autograph letters.

The Dewey system of classification is used.

For maintenance of the Library there is set apart each semester one dollar of every tuition fee.

Henry L. Moss, a former trustee of the college, at his death in 1902, left his property for the support of the Library, subject to life use by Mrs. Moss. The income from this bequest is at present four hundred dollars.

Mr. Allen H. Stem, of St. Paul, contributes fifty dollars annually for the Reed & Stem alcove of art and architecture.

The alcove of economics receives twenty-five dollars annually from Mr. F. A. Hodgman, of New York City, in memory of his mother, Mary Hurlbut Hodgman.

Annual gifts or permanent funds are desired for other alcoves —especially for education, English literature, natural science and biography.

The Library is open every school day during the college year from eight until five o'clock and on Saturdays and holidays from nine to twelve and from one-thirty to five o'clock.

Easily accessible for reference work are the large collections of the St. Paul Public Library, the State Law Library and the Minnesota Historical Society Library. Circulation privileges in the first-named are enjoyed by Macalester students. The Minneapolis Public Library and the Library of the College of Agriculture are occasionally consulted.

Incoming classes receive instruction in the care and use of books.

The following periodicals are on file in the Library or in the department libraries;

Advocate of Peace.
American Economic Review.
American Historical Review.
American Journal of Archaeology.
American Journal of Sociology.
American Naturalist.
American Political Science Review.
Annals of the American Academy.
Assembly Herald.
Atlantic Monthly.
Bible Society Record.
Bookman.
Century Magazine.
Christian Endeavor World.
Classical Journal.
Classical Philology.
Commoner.
Continent.
Country Life in America.
Crisis.
Current Opinion.
Dial.
Editor.
Educational Review.
Etude.
Everybody's Magazine.
Expository Times.
Forum.
Good Housekeeping.
Great Lakes Presbyterian.
Harper's Magazine.
Herald and Presbyter.
Hibbert Journal.
Home Mission Monthly.
House Beautiful.
Independent.
Je sais tout.
Journal of Educational Psychology.
Journal of Political Economy.
Journal of the Royal Microscopical Society.
La Follette's Weekly.
Literary Digest.
Littell's Living Age.
Missionary Review of the World.
Musician.
Musical Courier.
Nation.
National Geographic Magazine.
North American Review.
Outlook.
Political Science Quarterly.
Popular Astronomy.
Popular Mechanics.
Popular Science Monthly.
Presbyterian.
Progress.
Quarterly Journal of Economics.
Reader's Guide to Periodical Literature
Record of Christian Work.
Religious Education.
Review of Reviews.
St. Paul Pioneer Press.
School Review.
Scientific American.
Scientific American Supplement.
Scribner's Magazine.
Sunday School Times.
Survey.
Woman's Work.
Woodcraft.
World's Work.
Yale Alumni Weekly.
Yale Review.

Administration

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to guard well their honor and that of the institution, and to maintain a wholesome esprit de corps.

Some regulations, however, are necessary, and when students matriculate it is understood that they thereby submit themselves to the government of the college and pledge themselves to support the same while they are members of the institution. They are expected, and, by virtue of their matriculation as students of the institution, are understood to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, daily morning prayers, and Sunday morning service, and to be diligent in preparation of all tasks assigned.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The dormitories are organized on the self-government plan under adequate faculty cooperation. A College Council, composed of student and faculty representatives, voices student opinion and cultivates student self-control. No finer tribute can be paid Macalester's students than this—that after five years of experiment both faculty and students regard student self-government as a gratifying success.

Registration

Students are required to register by the beginning of each semester. A fine of fifty cents a day will be levied in case of tardy registration, unless remitted by the matriculation committee for satisfactory reasons, fines being imposed after the first day of commencement of classes.

The student who has failed in more than half the work of the first semester, counted by hours, may not register for the second semester.

The prospective student will facilitate registration by procuring from the college an application blank on which his principal or superintendent should fill in the student's credits. This blank should be mailed by the proper school authority to the Registrar by the first of September.

Examinations and Reports

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester. Quarterly reports are made of Baldwin School students. If these are not received the fact should be reported to the Registrar.

Students who fail in term grade or in both the regular and delinquent examinations, must take the subject again in class.

For private and delinquent examinations a fee of fifty cents shall be paid for each examination to the Secretary of the Faculty, who shall thereupon issue a permit. Private examinations will be authorized by the faculty only, and for the most urgent reasons stated in writing.

Examinations for delinquents will be held on the second Monday after the first Wednesday of each semester at 2:20 p. m. Attendance upon these examinations is obligatory.

Degrees

Graduates from the classical course receive the degree of B. A.; those from the scientific course the degree of B. S.

No student shall be entitled to graduate who shall not have been attending the college at least one year.

Fellowships

The Board of Trustees has offered a limited number of fellowships open to graduates of other approved colleges and carrying a yearly stipend of $300. The holders are required to devote one-half of their time to assistance in the department offering the fellowship and the other half to graduate study in the University of Minnesota.

For the year 1914-15 three fellowships are authorized—one in Chemistry, one in English and one in Political Economy.

Prizes and Scholarships

Noyes Prize.—Mrs. D. R. Noyes has given $1,000, the interest on which is used as prizes for student scholarship. To this the trustees this year add $50. Last year the senior prize was awarded to Vera M. Zimbeck, the junior to Pearl Johnson and the sophomore to Lucile Dahl.

Stringer Prize.—Through Mr. E. C. Stringer, of St. Paul, the college is able to offer an annual prize of twenty-five dollars, to be given to that student of the college, who, having not fewer than fourteen recitations a week, takes the first place in the preliminary oratorical contest mentioned above, and represents the college in the state contest. Awarded last year to Oscar E. Alm.

Debate Prize.—House of Hope attorneys offer a prize of thirty dollars, to be distributed to the six students who win positions on the state intercollegiate teams. The winners last year were B. P. Holt, H. F. Softley, P. E. Sargent, H. E. Clark, G. R. Collins, Del Laughlin.

Shaw Scholarship.—Given by Professor Thomas Shaw, of St. Paul, to the nominee of the Central Presbyterian Church, of St. Paul, yielding $50 per annum. Held this year by Lucia Brown.

Silliman Scholarship.—Offered by Mr. H. B. Silliman, of Cohoes, N. Y., and yielding $50 per annum. Awarded this year to H. G. Bosley.

Williams Brothers' Scholarship.—Louis H. and Charles R. Williams, of Minneapolis, have given $1,000, the income from which is for the aid of a student selected by the faculty. Held this year by Catharine Lealtad.

Webb Scholarship.—Mr. E. A. Webb has given $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church, of St. Paul, Held this year by Vergil H. Guthrie.

Winona Scholarship.—The First Presbyterian Church has given $1,000, the interest of which is to aid a candidate nominated by this church. Held this year by T. A. Rother.

Biology Scholarship.—Two eminent surgeons contribute $50 a year to aid a student in the department of biology, to be selected by the head of this department. Held this year by W. N. Rowley.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry.

Honorary Scholarships of $60 each are offered to the first ranking student among the young men and also among the young women in each graduating class of an accredited four-year high school, provided that the superintendent certifies that such students are of honor grade.

Rhodes Scholarships.—"In order to keep this well known bequest before the minds of present or prospective students it is briefly mentioned. Circulars of full information can be obtained

at the president's office. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sophomore year of study, may be a candidate for one of the Minnesota scholarships. This insures to the winning contestants a three years' residence in Oxford University, England."

Student Activities

The Y. M. C. A. has a membership of about forty students. It holds its regular meeting every Tuesday evening. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students. The president of this association is P. E. Sargent.

The Y. W. C. A. has this year increased its membership to seventy-five. Its regular meeting is held every Tuesday evening. There is also a flourishing mission-study class. The president of the association is Lulu E. Carey.

Literary Societies.—In the college there are four literary societies under the general oversight of the faculty. The Hyperion society admits to membership both men and women; the Athenaean and Eulogian societies admit men, and Clionian society, women.

In Baldwin School, the Parthenon society is open to all students.

In the Music School, the Euterpean society is open to music students.

No literary society or other student organization may be established without the consent of the faculty.

Forensic Board.—This board is composed of one representative from each literary society, one from each class of the college, and three representatives from the faculty. It has charge of all matters relative to debating and oratory.

The home oratorical contests are the Temperance Oratorical, held in February, and the Intercollegiate Preliminary, held in the spring. This year both contests were won by J. S. Nyquist.

In the fall, a series of debates is held to select the intercollegiate debating teams to represent the college against the teams of Hamline and Saint Olaf. In January, the freshman-sophomore annual debate is held for the loving cup provided by the Forensic Board. This year the class of 1917 won the cup and will hold it until next year. In March is held the Intercollegiate Debate. In 1913-14, the men who represented Macalester were: affirmative, H. F. Softley, W. T. Grieg and H. D. Lindgren; negative, G. R. Collins,

J. L. Harvey and George Ziesemer. The subject debated was, Resolved, That immigration into the United States should be further restricted by law.

College Band.—Theodore F. Meier, leader.

Orchestra.—Theodore F. Meier, leader.

Glee Club.—Vergil Homer Guthrie, leader.

French Club.—This is composed of interested students in the department of French and meets each month for improvement in the French language and literature. Readings, recitations, songs, games and plays, all in French, constitute the programs.

Education Club.—This is an organization of students interested in the advancement of pedagogical training and knowledge. The club meets on the first and third Monday evenings of each month. All college students are eligible to membership.

A Scholarship Society

The faculty announces that there will be organized not later than the opening of the next college year a scholarship society from among the student body. The members of the society will be chosen by the faculty, and the basis of selection will be the high character of the work done in college. The purpose of the faculty in organizing this society is to honor thorough and accurate scholarship while those worthy of such recognition are still among the student body.

Religious Life and Exercises

Macalester was founded as a Christian college. The atmosphere of the college has always been warmly religious. The Young Men's and Young Women's Christian Associations are large and active. The city offers much opportunity for religious work. In keeping with the purpose of the founders of the college the faculty makes the following requirements: (1) all students registering for more than five hours a week in college studies are required to include the equivalent of at least one hour a week of Bible study for the year; (2) attendance at the daily chapel exercises of the college at ten o'clock in the morning is required of all college students without exception; (3) attendance at Sunday morning church services is expected of all students and required of all who are not living at home with their parents. Presbyterian students, not living at home, are expected to attend the Macalester Presbyterian Church.

Students connected with other churches either by membership or sympathies are excused to attend the church of their preference.

Next fall the Macalester Church will initiate a system of affiliated memberships, by which the student who wishes may retain his membership with his home church while at the same time coming into such relation with the local church at the college that he may feel that he has here a church home and center for his religious life. Students are urged to take advantage of this offered affiliation.

Physical Training and Athletics

Athletics and careful physical training are encouraged, and three dollars of the tuition fee for each semester are set apart for the support of athletics. Students are thereby entitled to admittance to all athletic contests and to the use of the gymnasium and skating rink. The athletic field is enclosed, and contains about four acres. There are a number of lawn tennis courts. A large skating rink has been provided in the midst of the oak grove at the south of the campus, and has been very popular. Trained coaches are provided for field sports.

All men not excused by the director of athletics are required to take gymnasium drill twice a week for at least one-third of each year. A competent instructor and adequate equipment are provided.

Classes in physical training are conducted for young women in the gymnasium of Wallace Hall. Attendance is required of freshmen.

Teachers' Bureau

The college maintains a reliable teachers' bureau as a means of communication between graduates and superintendents and school boards desiring competent teachers. Graduates will not be recommended to positions for which they do not give good evidence of fitness. This service is given without charge. Those desiring to make inquiry in regard to teachers should address The Teachers' Bureau, Macalester College, St. Paul, Minnesota.

Publications

The following publications are issued from the college:

The College Catalogue, which is one number of **The Macalester College Bulletin,** a quarterly paper devoted to the advertisement and advancement of the institution.

The Mac, a triennial publication devoted to college interests, published by the college students.

The Macalester Graduate, published monthly, except in July, August and September, by the Macalester College Alumni Association.

The Macalester Weekly is a student publication established this year. It will give expression to student opinion upon matters of college life, and will give complete accounts of all college events. A strong board of editors has been selected and splendid success for this student publication seems assured.

Expenses

Students' fees are paid at the beginning of each semester, before completion of registration and strictly in advance, as follows:

	College	School
Tuition, regular student	$30.00	$21.00
Special student (8 hours or less)	15.00	
Special student (10 hours or less)		13.00
Special fees—		
Biology	3.00	1.50
Physiology	1.50	1.50
Chemistry	5.00	5.00
Physics	3.00	1.00
Geology	1.00	
Shop Work	4.00	3.00
Homemaking	1.00	
Mechanical Drawing	.50	
Locker annual fee	1.00	
Diploma	5.00	3.00

No deductions are made except for sickness lasting a month or more.

From tuition fees the trustees, on recommendation of the faculty and students, appropriate the following amounts: athletics, $3; library, $1.50; band, orchestra, debate and oratory, 50 cents; "The Mac," 50 cents; newspaper, 50 cents.

Refunding Tuition.—If a student leaves the institution at any time after entrance without the approval of the faculty or because he has been suspended or dismissed, no money is refunded. Those withdrawing for other reasons, on or before the middle of a semester, will be allowed an equitable percentage on tuition paid.

Special Rates

1. Sons and daughters of ministers of any denominations are allowed a rebate of eight dollars each semester on college and seven and a half dollars on school tuition.

2. All candidates for the ministry, of whatever church or denomination, are allowed a rebate of eight dollars each semester on college and seven and a half dollars on school tuition upon the following conditions:

(1) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the treasurer certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(2) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated in the event of their abandoning their purpose to enter the ministry.

The above concession, though made at a great sacrifice to the college, is offered cheerfully, and with the purpose of enhancing, as far as possible, the usefulness of the college. It is, however, justly expected of those who are thus helped that they will be faithful in promoting, as far as possible, the welfare of the institution and that they will complete their course of study at this institution.

3. When more than one person from the same family attend college at the same time a rebate of $4 on college tuition fee and $3.75 on school tuition fee will be allowed to each person after the first. This rule does not apply to those receiving other privileges or rebates.

Rooms and Board

Room rents for all college buildings and board at Wallace Hall are to be paid in advance each month of twenty-eight days. Otherwise rooms must be vacated.

Wallace Hall for Women

Board per week, each person	$4.00
Room rent per week, each person	$1.25 to 2.00

Men's Dormitory

Room rent per week—corner rooms	$1.00
Room rent per week—inner rooms	.75

For each person.

All rooms have two occupants and the rentals include light and heat.

Men students board at Edwards, Euthenian and Uta Ota clubs or in private families. Board costs on an average 50 cents a day or $3.25 to $4.00 a week. Room rents in private families per month, $6.00 and up.

Each student in the college dormitories is required to deposit $2.50 (including deposit for key) as a guarantee against damage to college property, and to make it up to that amount at the opening of each semester thereafter. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done in dormitories by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave the dormitory.

Rooms

(1) **Furniture.** — All rooms in men's dormitories are furnished with bedsteads (two-thirds size), mattresses, pillows, dresser stand, bowl and pitcher, study table, book shelves and three chairs. Students in the dormitories must provide their own bed clothing, towels, napkins and carpets or rugs. In Wallace Hall there are single iron beds, mattresses, pillows, dresser, study table, two rockers, two study chairs, a lavatory with hot and cold water, steam heat and electricity. Floors are of hardwood.

(2) **Application.**—Application for room in the dormitories should be made as early as convenient to the President, enclosing $1, which will be applied on room rent. Applicants should state in which hall they desire a room. Rooms will not be held later than the opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come, the money advanced will not be returned. Rooms will be assigned in the order of application.

No deduction is made for vacations during school year. Students are charged for their rooms till they are formally vacated—whether continuously occupied or not—and keys surrendered.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Students who are in arrears at the end of any semester will be refused credits for the semester's work until all bills incurred by them have been paid; also future registration will be denied and no class work allowed until settlement satisfactory to the treasurer has been made.

Self-Support

Students desiring to do something toward defraying their own expenses can usually find some way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way through college, provided the long summer vacation is improved to increase his income.

The Y. M. C. A. employment bureau has been organized to assist students in finding work. There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the new-comer is cheerfully made. Address all communications to Chairman Employment Committee, Macalester College, St. Paul.

Telephone

The college may be reached by the Northwestern telephone, Midway 486. The President's residence, Dale 2450, Wallace Hall, Midway 535, Men's dormitory, Midway 320, Edwards' Hall, Midway 2175, Euthenian Hall, Midway 1259.

College of Liberal Arts

The *men of experiment* are like ants—they only collect and use.

The *reasoners* resemble spiders, who make cobwebs out of their own substance.

But the bee takes a middle course; it gathers the material from the flowers, but digests it by a power of its own.

So *true philosophy* neither chiefly relies on the powers of the mind, nor takes the matter which it gathers and lays it up in the memory, whole as it finds it, but lays it up in the understanding, to be transformed and digested.

—*Francis Bacon.*

CAMPUS AT MACALESTER COLLEGE MARCH 1914
PHOTO BY
BLAKEMORE & LARSON.

Entrance Requirements

General Statement

The satisfactory completion of fifteen units of properly coordinated work of high school grade is required for admission to the freshman class of the college. By a unit is meant four or five recitation periods a week in a subject, carried throughout a year of thirty-six weeks. The recitation periods must be of not less than forty minutes in length.

Admission by Certificate

From Accredited High Schools.—Graduates of accredited high schools requiring a four-year course are admitted without condition to the freshman class.

Applicants for admission to the freshman class should apply to the Registrar for the Applicant's Admission Blank, which should be filled out by the principal of the high school or academy in which their courses were taken, and mailed by him to the Registrar, by the first of September.

From Accredited Academies and Preparatory Schools.—The terms of admission are identical with those for accredited high schools. See section above.

From Unaccredited High Schools, Academies and Preparatory Schools.—Graduates of such schools should secure the Applicant's Blank from the Registrar of the college, and have it filled out and sent to the Registrar as in the case of Accredited Schools. The credits will then be evaluated by the Matriculation Committee of the College.

Registration with Conditions.—A student submitting thirteen and a half units will be admitted as freshman, conditioned, and may make up deficiencies in Baldwin School. Unconditioned freshmen, who may lack certain preparatory studies necessary for the courses they wish to pursue, may take these studies in Baldwin School without extra charge for tuition. A five-hour course so taken counts for four hours on the college course.

Admission by Examination

Students not presenting certificates as provided for above must present a course of study equal to a four-year high school course. Such students will be examined in the course presented by them and will be admitted to freshman standing on passing the exami-

nation satisfactorily. These examinations will be given on the Monday and Tuesday preceding the opening of the college in September.

Suggestions to Students Preparing for Macalester College

The following suggestions respecting high school courses are not mandatory, but may be of value to future college students, now in high school or academy.

Suggested Units.—Students expecting to study for the B. A. degree are advised to present the following ten units for entrance:

English 3 or 4
Latin 4
Algebra 1½ or 1
Geometry 1½ or 1

The remaining five units may be selected from the following:

History 1 or 2
German 1 or 2
Greek 1 or 2
French 1 or 2
Chemistry 1
Botany ½ or 1
Physics 1
Civics ½
Physiology ½ or 1
Zoology ½ or 1
Physical Geography ½ or 1
Manual Training ½ or 1

Students intending to study for the B. S. degree are advised to present the following ten units:

English 3 or 4
German 2
Chemistry, Physics 2 or 1
Algebra 1½
Geometry 1½

The remaining five units may be selected from the following:

Chemistry (if not above) 1
Botany ½ or 1
History ½, 1 or 1½
Zoology ½
French 1 or 2
Manual Training ½
Physics (if not above) 1
Physiology ½
Greek 1 or 2
Physical Geography ½ or 1
German 1 or 2
Civics ½

Suggested Courses of High School Study.—The following courses of study are suggested to students now in high schools who are preparing for entrance to Macalester College. Courses such as these will furnish substantial preparation for the work of the college and will articulate well with its courses:

For the B. A. Degree

Composition and Rhetoric 2 units
Literature 2 units
Algebra 1 or 1½ units
Geometry 1 or 1½ units
Latin 4 units
Greek or German 2 units
History and Civics 2 units
Natural Science 2 units

For the B. S. Degree

Composition and Rhetroic 2 units
Literature 2 units
Algebra 1½ units
Geometry 1½ units
Latin 2 units
German 2 units
History and Civics 2 units
Natural Science 2 or 3 units

Admission with Advance Standing

From Other Colleges.—Students coming from reputable institutions of collegiate grade should present letters of dismissal and are then given standing in Macalester College, allowing a fair equivalent on the course here for work done elsewhere.

All credits from other institutions, for which the student wishes credit in this institution, must be presented at the time of registration. Credits presented later from other institutions will not be considered.

From High Schools and Academies.—Ordinarily, no credit will be allowed on the college course for excess units of work done in the high school or academy. A student asking for such credit should note the following conditions:

(1) No credit will be allowed except for an excess beyond seventeen units of high school or academy work.

(2) No credit will be allowed except after an examination by the college instructors to whose departments the subjects belong.

(3) In no case will credit be given for more than half the time which the subjects consumed in the preparatory school course.

(4) The Matriculation Committee will decide which of the student's excess units may be submitted for college credit.

Courses of Study

The College of Liberal Arts embraces the following general courses:

1. The Classical Course, leading to the degree of B. A.
2. The Scientific Course, leading to the degree of B. S.

On entrance, the student makes choice of one of the above courses. Thereafter, deviation from the course chosen must be with the approval of the faculty upon written application, stating reasons.

Requirements for Graduation

Number of Credits.—One hundred and twenty-six credits are required for graduation in either of the above courses.

The term credit, used in the following pages, means one semester-hour, the equivalent of one hour of classroom work or two hours of laboratory a week for one semester.

Credits Required in All Courses.—The following credits are required both for the B. A. and the B. S. degree:

(1) 16 credits of subjects listed under the Bible Training department. At least two credits must be secured each year.
(2) 6 credits in English 1.
(3) 6 credits in Social and Political Science and History.
(4) 5 credits in Mental Science 1.

33 credits required of all.

Credits Required for the B. A. Degree.—For the B. A. degree, the following credits in addition to the above are required:

(1) Six years of foreign language, four of which may be secured in the high school or academy. Four years of this requirement must be in one language, two in another. One year of a language may not be counted for the six here required. If the student's major be in Group I, four of the six years must be Latin.

(2) 12 credits in science.

Credits Required for the B. S. Degree.—In addition to the requirements in all courses, the following credits are required for the B. S. degree.

(1) 8 credits in Mathematics 1 and 2.

(2) Two years of a modern language in the college course, unless student presents three units of a modern language, or two units of a modern language and two units of another foreign language from high school or academy.

(3) In addition to the major, the student must have eighteen credits from two departments of Science.

Courses for the Freshman Year.—Each freshman, unless his preparation does not permit, must select one of the following courses:

For the B. A. Degree

Bible 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
Elective

For the B. S. Degree

Bible 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
Mathematics, 1 and 2, 4 hours
Elective

Majors and Minors.—Each student who is working for a degree must elect at the beginning of the sophomore year, under restrictions stated below, one major and two minors from the fourteen following departments:

GROUP I.

1. Latin
2. Greek
3. German
4. French (minor only)

GROUP II.

1. Bible
2. English
3. Philosophy and Education
4. Social and Political Science
5. History
6. Expression (minor only)

GROUP III.

1. Chemistry
2. Physics (including shop 2 or 3 for major)
3. Biology
4. Mathematics and Astronomy.

Terms Defined.—A *major* consists of twenty credits obtained in one department.

A *minor* consists of twelve credits obtained in one department.

Restrictions on Choice.—

(1) For the B. A. degree, the major must be selected from Group I or Group II. For the B. S. degree, the major must be chosen from Group III.

(2) At least one of the minors must be in a different group from the major. The minors are subject to the approval of the student's adviser.

(3) The following courses are not counted toward a major or minor: Bible 1 (first semester) and 2, Chemistry 1 and 10, English 1.

German 1 and 2, Greek 1A and 2A, Mental Science 1. In Biology and Physics, students must present one year of high school work in the subject in order to begin a major or minor.

Thesis.—On or before the opening of the second semester of his junior year, each candidate for a degree shall select the subject of a thesis connected with the subject which he is making his major. This subject must be chosen in consultation with the head of the department to which the student's major belongs and with his approval.

The completed thesis shall be typewritten and filed with the Librarian on or before the first of April preceding the student's graduation. Such thesis must be prepared according to regulations to be obtained from the Librarian, and must bear the signed approval of the head of the department. Further, these theses must be accompanied by a complete bibliography of works consulted and analysis. Ordinarily, they will not be accepted if they exceed 6,000 words in length.

Classification of Students

Classification without Conditions.—For freshman classification, as stated before, fifteen units of acceptable high school work or their equivalent; for sophomore, thirty-two college credits in addition to the entrance requirements; for junior, sixty-four credits in addition to the entrance requirements; for senior, ninety-six credits in addition to the entrance requirements.

Classification with Conditions.—A student is classified as freshman with conditions who presents fewer than fifteen units or their equivalent of high school work and not fewer than thirteen and a half of such units; a student will be classed sophomore on removing all entrance requirements except one-half unit, and gaining twenty-four college credits; he will be ranked junior on removing all entrance requirements and obtaining fifty-four college credits; he will be ranked senior, on obtaining ninety college credits.

All conditions from previous years must be removed by the end of the first semester of the senior year.

Changes of Course and Unfinished Courses

Change of Course.—Registration at the beginning of the semester fixes the course of study for the student. After that no change is permitted without the written consent of the instructors concerned and the student's adviser. Dropping a subject comes under this rule.

CARNEGIE SCIENCE HALL

Unfinished Courses.—Students who drop a year course at the end of one semester lose all credit in that course unless some distinct phase of the subject is completed; in which case, the instructor may grant the credit.

Attending Courses as a Visitor.—Upon the approval of the adviser, a student shall be permitted to attend not to exceed four hours a week in classes for which he is not regularly registered. No credit is allowed for such attendance.

Respecting Courses Offered

Five Students Required for a Class.—The college does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar. Such classes may, however, be organized at the option of the instructor.

Courses of Study.—For detailed information respecting the courses of study offered see the heading, Departments, page 44, and following.

Preparation for Study of Professions

In general colleges do not offer the highly specialized and technical courses required in the professional schools. The object of a college is rather to lay a foundation for such study in a broad and thorough culture. At the same time the system of majors and minors and the elective system in use here permit the student to frame his college course with some reference to his future profession. The student on selecting his profession should, as soon as convenient, decide what school he will probably attend, then acquaint himself with its requirements for entrance, and shape his college course to meet those requirements. In general, however, the student will find the following courses helpful to him in his future professional study.

For the Study of Medicine.—Thorough courses in chemistry, physics and biology will be most helpful to the student and in most of the better medical schools are required.

For the Study of Law.—The courses in social and political science, English and argumentation, jurisprudence and history, especially constitutional history, are advised. Able students who find it necessary to economize in time will find it possible to gain a year by taking some courses in the evening classes of the Saint Paul Law School along with their college courses.

For the Christian Ministry and Missionary Teaching.—The Bible training department and the electives in Greek Testa-

ment, philosophy, ethics and history offer a course well adapted to those who have the gospel ministry in view. Those, too, who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

For Teaching.—Because of the large number of its graduates who become teachers, the college has made special provision for their needs. The student should remember that there is the content side of his preparation and the technical side. The former part of the preparation he will obtain by directing his college studies through the majors, minors and elective studies to the subjects which he will teach, with their related topics. The latter he will find in the courses in sociology, psychology, logic, ethics, history of philosophy, history and principles of education. This preparation will then be supplemented by practice work to increase his insight into the principles of his profession and give him skill.

Attention of young men is invited in particular to the laboratory shop courses and manual training teachers' course which, in connection with the science courses, fit men for positions for which there is at present great demand.

Senior Electives in Professional Schools.—Students intending to study for some profession, who are obliged to shorten their course in preparation, may in the following manner save one year while still obtaining their degrees. After completing three years of the college course and being enrolled for the fourth year, they may take the first year of a professional course in any school approved by the faculty in place of the work of the senior year.

Conditions Required.—This will be permitted subject to the following conditions: first, the required studies of the college must be completed in every case; secondly, a certificate must be presented from the professional school, showing the successful completion of the work of the first year in that school.

Students Not Candidates for a Degree

Students not expecting a degree will be admitted to the college under the following conditions:

(1) They must present the requisite entrance credits, fifteen units for unconditioned registration, at least thirteen and a half for conditioned registration.

(2) They will be restricted in their choice of courses to such as their previous studies furnish a preparation for.

(3) They are not excused from the operation of any of the regulations of the institutions, which apply to the general student body.

These conditions being met, such students are classified according to the number of credits they have obtained, and are entitled to all the privileges of the college life.

Student Advisers

Seven members of the faculty have been appointed by the Board of Trustees as Student Advisers. The adviser assists the student in the arrangement of a course of study in harmony with his tastes or prospective vocation. He is available for advice at a fixed office hour each week, notes the student's progress in his class and reports on each individual in his group at the end of the semester. The aim of this system of advisers is vocational direction, timely warning to laggards, more intensive and consistent courses of study closer and more friendly supervision.

Professor Clark is adviser to the freshman class. He is assisted in the supervision of this class by Professors Gibson, Plummer and Whitridge.

As stated above, each student at the beginning of his sophomore year makes selection of a major study. In accordance with this choice, he is assigned to one of the following advisers for the remainder of his college course: Professor Wallace, in Biblical studies; Anderson, in English and in philosophy and education; Burgess, in ancient and modern languages; Funk, in history and political science; Alexander, in professional and technical vocations; Jones, in physics, chemistry, biology and mathematics.

Departments

Bible Training

On the John C. Martin Foundation

PROFESSORS WALLACE, MCRAE AND DAVIS

The study of the Bible in some form is required of all students. For this emphasis on the study of the Book of Books there are many reasons. Judged by the extent and character of its influence the Bible is the greatest book in the world. Judged by its ethical and religious teachings it is the best book in the world. Judged by correct literary standards it is superior even to the classics. Judged by its structure it is the most pedagogical book in the world. Viewed linguistically no single volume has so permanently affected the English language, nor from any single source has English literature drawn so much inspiration. For the translation and circulation of no other work has so much money and labor been expended. In the vast body of religious literature it has produced it stands unrivaled, as also in its promotion of popular education. In no one volume can the gradual development of religious ideas be so clearly traced. No book has done so much to awaken, clarify and stimulate the social conscience, nor is the social message of any so authoritative, important and helpful. It, too, more than any other volume, has furnished the great foundations of our free institutions.

But the vast significance and superiority of the Bible culminates in its central figure,—and the central figure of all history as well,—Jesus Christ, who has brought life and immortality to light and has disclosed to mankind the way of salvation.

It is these and other like considerations that justify the Christian college, Christian education and the fixed requirement that all students shall become more or less thoroughly acquainted with the Christian view of God and the world as that is presented to us in the Holy Scriptures.

Besides its required courses for all students this department offers elective and advanced courses for students wishing to prepare themselves for other forms of Christian service beside the gospel ministry.

The church, as well as the world, has entered on the era of the laity. Christianity is girding itself for the conquest of the world.

Her call for leaders and workers of all sorts is louder and more engaging than ever before. The world is white unto the harvest and the reapers include not only preachers and evangelists but missionary teachers, missionary physicians, settlement workers, pastors' assistants, secretaries of Young Men's and Young Women's Christian Associations, trained Sunday school organizers, and lay workers generally.

To students training for any of these vocations the college offers special advantages. Open to them is instruction in many subjects essential to thorough preparation for any of the above forms of Christian activity, such as languages, science, literature, philosophy, history, ethics, sociology, elocution, music.

The courses in this department embrace the following:

1. The Life of Christ.— PROFESSOR WALLACE

This is studied by means of a harmony of the gospels. By way of introduction, attention is directed to the political and religious condition of the time and to the characteristics and viewpoint of the gospel writers. By discriminating discussion of the teachings of Christ and a realistic presentation of the facts and incidents of His life an effort is made to deepen personal faith in Christ as the Savior of men and to bring the student into appreciation of Jesus as the master teacher of all time.

Required of freshmen, first semester, two hours a week, two credits; elective, second semester, two hours a week, two credits.

Students who are already fairly familiar with the gospels or who for any reason prefer to do so, may, in lieu of the above, take Old Testament History. See 9.

2. The Missionary Labors of the Apostles.— PROFESSOR WALLACE

These studies are based on the Acts of the Apostles and in part on the New Testament Epistles. The external and internal growth of the early church is carefully traced and the whole movement is viewed as a continuance of the work of Christ through the agency of the Holy Spirit and of His inspired apostles. The authorship and credibility of the Acts, its teaching concerning Jesus, the Holy Spirit, and the organization of the early church receive special attention.

Required of sophomores, one year, one hour a week, two credits.

3. **Prophets of Israel.**— DR. MCRAE
This course consists of a thorough study of the prophets, their place in the community, their functions and their messages. It is pursued inductively from the Bible text with the object of acquainting the student as fully as possible with the foreshadowings of the Christ. All the Messianic passages are carefully analyzed with reference to their historical background and in the order of their development.

One year, two hours a week, four credits.

4. **The Literary Study of the Bible.**— PROFESSOR WALLACE
This course includes a careful study of the Bible, viewed as literature. The rhetorical characteristics of the Hebrew language and the various literary forms of the Bible are closely examined. This done, various parts of the Bible best illustrating these forms and characteristics are critically studied and drawn out in their proper literary form. As sound literary criticism is based on a thorough study of the thought and thought-connections, the literary study of the Bible proves in practice a very valuable aid to interpretation. It is for this reason, especially, that it is included in the course. The text book used as a basis is Moulton's Literary Study of the Bible, and special study is made of the book of Job, certain of the Psalms and selections from the prophets.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

5. **The Social Teachings of the Bible.**—PROFESSOR WALLACE
This course includes a survey of the social teachings of Christ, the apostles, the prophets and the Mosaic code. The object is to form a just estimate of the social message of the Bible and to apply, as far as may be, its social principles to the solution of current social problems. It is based mainly on Josiah Strong's Studies in Social Christianity, supplemented by wide collateral reading in the works of Raushenbush, Peabody, Mathews, Schench, Brace, Keble (collection of lectures) and other works that seek to interpret and apply the social message of Christianity.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

6. **Inter-Testament History.**— PROFESSOR WALLACE
This course is intended (1) to trace the history of the Jews from Malachi to John the Baptist under the Persians, Greeks,

Maccabees and Romans; (2) to trace the rise of the various Jewish sects. A knowledge of the outward political fortunes of the Jews, as well as the movement of Jewish thought in this period is of great importance for an intelligent understanding of the ministry of Christ and His apostles.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits.

7. **Oriental History contemporary with the Old Testament.**— PROFESSOR WALLACE

This course includes (1) a study of the history and religion of Babylonia, Assyria and Egypt; (2) the relation of this material to the explication of Old Testament history. The course is based on the histories of Winckler, Rogers, McCurdy and others.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits. Not offered 1914-1915.

8. **Biblical Pedagogy.**— PROFESSOR WALLACE

This course includes: (1) a study of Jesus as a teacher—a careful consideration of the question, What made Him the Master Teacher of all time?—His mastery of the technique of educational methods as illustrated in the four Gospels; (2) methods of Bible study, teaching and of Sunday school work; (3) the influence of Christianity on the world's education. It is based mainly on the Master and His method (Griffith-Jones), Jesus as a Teacher (Hinsdale), The Making of the Teacher (Brumbaugh), Teacher Training with the Master Teacher (Beardslie), supplemented by lectures.

Second semester, two hours a week, two credits.

9. **Review of Old Testament History.**— PROFESSOR WALLACE

This is offered in lieu of course 1 to college students who have had little or no opportunity of pursuing a consecutive study of Old Testament history before entering college. The history of Israel is pursued from the founding of the kingdom under Samuel till the fall of Jerusalem.

First semester, two hours a week, two credits.

10. **Hebrew.**— PROFESSOR DAVIS

The object of this course is to prepare students for advanced work in this subject as soon as they enter the seminary. The work embraces a thorough study of Genesis 1-8, including the grammatical principles of the language, acquisition of a good vocabulary, translation of English into Hebrew.

One year, three hours a week, six credits.

11. Advanced Hebrew.— PROFESSOR DAVIS

In the second year a critical study is made of one or more minor prophets including text, grammar, exegesis and history.

Prerequisite, course 10. One year, two hours a week, four credits.

12. Apologetics.— DR. MCRAE

This course aims chiefly at three things.

First, a brief exposition of Christian theism and an exhibition of its superiority in philosophy and in practice to the various opposing theories: deism, pantheism, materialism and agnosticism.

Second, a summary of the argument for historical Christianity and an examination of criticisms and objections, especially those of our own day.

Third, a rapid survey of the field of comparative religions with special reference to Hinduism, Buddhism, Zoroastrianism and Confucianism.

First semester, three hours a week, three credits.

13. The Philosophy of Religion.— DR. MCRAE

This course is supplementary to the course in apologetics. It aims to exhibit and defend a philosophic conception in harmony with the Christian religion.

Prerequisite, course 12. Second semester, three hours a week, three credits.

14. International Lessons.— PROFESSOR WALLACE

A course in the International Sunday School lessons. The aim of this course is to study the setting of the lesson, make careful analysis of the materials and discuss the pedagogical teaching of the lesson.

One year, one hour a week, two credits.

Other courses for which credit is given in the Bible Training Department are:

Greek 9, Greek Testament.

Mental Science and Philosophy 3, Ethics.

History 3, The Reformation Period.

Biology

ASSOCIATE PROFESSOR PLUMMER

1. General Zoology.—

A study of the principles of biology from the animal side. Methods of investigation, and the organization, growth,

reproduction and differentiations of animals. Representatives of the principal phyla are studied in the laboratory.

First semester, six hours a week, four credits.

2. General Botany.—

Biological principles as illustrated by plants. The laboratory work consists of a comparative study of the cryptogams, beginning with the simplest forms, and the structure of typical flowering plants.

Second semester, six hours a week, four credits.

Courses 1 and 2 are to be taken together as a year course.

3. Human Biology.—

A study of biological facts in their relations to the structure, functioning and care of the human body.

One year, one hour lecture or recitation and two hours laboratory work, four credits.

4. Vertebrate Histology and Embryology.—

A comparative study of the tissues of vertebrates, followed by the early stages of the embryology of the chick. Drill is given in the preparation of tissues and embryos for microscopic examination.

Prerequisite, Biology 1. First semester, six hours a week, four credits.

5. Vertebrate Anatomy.—

A comparison of the development and the adult structure of the organs of vertebrates. Dissections are made of a fish, amphibian, reptile and mammal.

Prerequisite, courses 1, 2 and 3. Second semester, six hours a week, four credits.

6. Invertebrate Morphology.—

A study of the advance in specialization from the Protozoa to the Arthropods. Types of the more important groups are dissected in the laboratory.

Prerequisite, course 1. First half year, six hours, four credits. Not given in 1914-1915.

7. Medical Zoology.—

Animals as the transmitters and carriers of disease, the general principles of parasitism and the principal parasites of man. The laboratory study includes some of the more important insects which carry disease and the structure of examples of the principal parasitic groups.

Prerequisite, course 1. Second half year, six hours, four credits. Not given in 1914-1915.

Chemistry

PROFESSOR JONES

1. **General Inorganic Chemistry.—**
The course includes a thorough study of the principal elements and their compounds, their occurrence in nature, preparation in the laboratory, etc.; also an introduction to the study of qualitative analysis.
One year, six hours a week, eight credits.

2. **Advanced Inorganic Chemistry.—**
This is a continuation of course 1, with an introduction to physical chemistry.
Prerequisite, course 1. One year, five hours a week, six credits.

3. **Qualitative Analysis.—**
Lecture and laboratory work, including the detection and separation of the metals and the identification of the acids. The last few weeks of the year are spent in the analysis of specimens of rock and earth. Instead of this, the student may make a study of materials used as paint pigments and the methods used in paint analysis.
Prerequisite, course 1, and approval of the instructor. One year, five or seven hours a week, six or eight credits; or second semester, eleven hours a week, six credits.

4. **Quantitative Analysis.—**
Lecture and laboratory work. This includes an introduction to the gravimetric and volumetric analysis and a study of the methods of determination of atomic weights.
Prerequisite, courses 1 and 3. One year, five or seven hours a week, six or eight credits.

5. **Organic Chemistry.—**
A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils, explosives, etc., is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 6 is also taken.
Prerequisite, course 1, and approval of the instructor. One year, two hours a week, four credits.

6. **Laboratory Course in Organic Chemistry.—**
To be taken with or upon completion of course 5. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 5, when possible.
One year, four hours a week, four credits.

7. Advanced Organic Chemistry and Qualitative Organic Analysis.—

This course is a continuation of courses 5 and 6. The detection of common food adulterants will receive attention.

Prerequisite, courses 1, 2, 3, 5 and 6. One year, five hours a week, six credits.

8. Food Analysis.—

Milk and butter analyses receive special attention.

Prerequisite, courses 1, 3 and 4. One year, four hours a week, four credits, or one semester, eight hours a week, four credits.

9. Water Analysis.—

Prerequisite, courses 1, 3 and 4. One semester, five hours a week, three credits.

10. Teachers' Course.—

This course is designed for those who intend to teach chemistry. They are given practical work in the laboratories, instructing students beginning chemistry, preparing solutions, etc. A course of lectures is given on the teaching of chemistry.

Prerequisite, courses 1 and 3. One year, two or four hours a week, two or four credits. No fee is charged.

Education

PROFESSOR ANDERSON

1. History of Education to Modern Movements.—

The history is followed from the earliest times, through the Greek, Roman and medieval periods, down to the middle of the eighteenth century. It is recommended that students take a course in European history along with this, if they have not already had such a course. This course and the following are of interest, not only to students purposing to teach, but to all students. These courses introduce us to the best educational thought of the world and have great cultural value.

Prerequisite, thirty-two credits. First semester, three hours a week, three credits.

2. History of Education in the Modern Period.—

This course begins with Rousseau. It covers the psychological, sociological and scientific movements, showing how the present day ideals, tendencies and institutions have become what they are. A relatively full treatment is given to the history of education in the United States. The course concludes with a

survey of the modern state systems of education, their organization, methods, curricula and results. Textbook, collateral readings and reports required.

Prerequisite, forty-eight credits. Second semester, three hours a week, three credits.

3. **Principles of Education.**—

A course given in three parts:

(1) The **Philosophy of Education:** an attempt to unify and correlate the results of the previous studies of the student; to reach a positive and well-reasoned view of the true aims of education, in order that the student may go forward with a better insight into the meaning of educational institutions and practice and with safe criteria for judging of their value.

(2) **Organization and Administration:** an examination of the structure and workings of our schools. Following an introduction on the organization, administration and supervision of the schools, in general, the secondary school system is taken up for more thorough study. Here are included the rise and growth of high schools, their aims, kinds, organization, curricula, etc.

(3) The **Teacher and the Class.** The physical and mental nature of the pupil, in particular, of the secondary school pupil is studied, class management and discipline, the nature of true study and the development of habits of intelligent study, and, finally, the art of teaching.

This course is given by text-book, lectures, collateral readings and quizzes. Practice work in teaching is given under the supervision of the regular teachers, in Baldwin School. Reports on visits and observations in the city schools are called for. A thesis is required with this course.

Prerequisite, Philosophy 1, unless the student is registered for it at the same time. Philosophy 2, also, is recommended. One year, three hours a week, six credits.

For further courses in Education, see the various departments of instruction in the college; and, further, all courses in the department of Mental Sciences and Philosophy.

English

JULIA M. JOHNSON, Professor of English Literature and Old English
GLENN CLARK, Professor of English

1. English Composition and Rhetoric.— PROFESSOR CLARK, MR. ————

The purpose of this course is to train the student in writing and speaking. The first semester is devoted to writing short and long themes leading to the construction of the short story. The second semester is devoted to approaching, by similar gradual steps, the writing of the essay. During the year each student is required to give six speeches before his classmates. While the development of individuality by means of self expression is the chief thing sought, no one will receive credit for the course who fails to overcome his deficiencies in the fundamentals of rhetoric. At the beginning of the second semester all those whose work shows the need of greater attention to these fundamentals will be organized into a rhetoric class which meets once a week for additional work for which no additional college credit will be given. Attendance upon this class is compulsory until all chief deficiencies are overcome. Outside reading in the course consists, the first semester, of a selected poem, drama and novel; the second semester, of Hugo's Les Miserables and a group of selected essays. Texts used are Woolley's Handbook of Composition and Canby's English Composition.

Required of freshmen. One year, three hours a week, six credits.

2. American Literature.— PROFESSOR JOHNSON

Lectures and critical reading of selected authors; themes on assigned reading.

Prerequisite, course 1. First semester, three hours a week, three credits.

3. Old and Middle English.— PROFESSOR JOHNSON

A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry; Orm, Layamon and other Middle English texts, including Chaucer.

Prerequisite, course 1. Second semester, three hours a week, three credits.

4. English Literature.— PROFESSOR JOHNSON

The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1700. Spenser, Shakespeare and Milton are extensively read and discussed.

Prerequisite, course 1. One year, three hours a week, six credits.

5. The Drama in England.— PROFESSOR JOHNSON

From the Miracle Plays to the closing of the theaters in 1642. Special attention will be given to the writings of the minor dramatists of the Elizabethan period.

Prerequisite, courses 1 and 4. First semester, three hours a week, three credits. Not offered 1914-1915.

6. The Drama in England.— PROFESSOR JOHNSON

From 1642 to 1900. While the course deals chiefly with the English drama, attention will be given to other literatures.

Prerequisite, courses 1, 4 and 5. Second semester, three hours a week, three credits. Not offered 1914-1915.

7. History of Literary Criticism.— PROFESSOR JOHNSON

A study of the principles governing literary composition.

Prerequisite, courses 1 and 4. First semester, three hours a week, three credits.

8. Browning and Tennyson.— PROFESSOR JOHNSON

A comparative study.

Prerequisite, courses 1, 4 and 7. Second semester, three hours a week, three credits.

9. The English Novel.— PROFESSOR JOHNSON

Its rise and development.

Prerequisite, courses 1 and 4. First semester, three hours a week, three credits. Alternate for course 5.

10. Anglo Saxon, Beowulf.— PROFESSOR JOHNSON

Prerequisite, courses 1 and 3. Second semester, three hours a week, three credits. Alternate for course 6.

11. English Literature.— PROFESSOR JOHNSON

From 1765-1892. The study will include English and Scottish popular ballads and the writings of Burns, Wordsworth, Coleridge, Keats, Shelley, Byron and Scott. A substitute for course 10 at the option of the professor.

Second semester, three hours a week, three credits.

12. Argumentation and Debate.— PROFESSOR CLARK

A study of the principles of argumentation with practice in the drawing up of briefs and in actual debating. A study and

analysis will be made of great debates by Madison, Henry, Calhoun, Webster, Hayne, Douglas, Lincoln and others. Text used is Denney, Duncan and McKinney "Argumentation and Debate."

Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

13. **Short Story Writing.**— PROFESSOR CLARK

This course is designed for those desiring further training in narrative writing. It is open only to those who have shown special aptitude for writing in English 1. The first half of the course is devoted to the gathering of material, the study of character type, the development of plot germs and a careful study of many famous short stories. The second half of the semester is devoted to the writing of original stories and the discussing of them in class. Text used is Pitkins "The Art and Business of Short Story Writing."

First semester, three hours a week, three credits.

14. **Seminar in Debating and Oratory.**— PROFESSOR CLARK

Open only to those who represent the college in intercollegiate debates and in the state oratorical contest.

One semester, two hours a week, two credits.

15. **Public Speaking.**— PROFESSOR CLARK

The technique of public speaking receives attention and in addition there is abundance of practice in the actual making of speeches. Weekly extemporaneous speeches, thoroughly outlined, are required of the class and also one long written address thoroughly worked out and suitable for public presentation. The object of the course is the development of a simple, direct and effective manner of speaking.

Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

16. **Seminar in Advanced Composition.**— PROFESSOR CLARK

In this course the student may elect to pursue any form of writing which meets the approval of the instructor, the forms which are especially recommended being the essay, the short story, newspaper writing and the one-act play. Instruction is given chiefly through individual conferences. Once a month or oftener the members of the seminar meet together for the reading and criticism of each other's work.

Prerequisite, English 1 and 2, or unusual ability in writing. One year, one hour a week, two credits.

Expression

ADJUNCT PROFESSOR WHITRIDGE

1. Elocution and Voice Training.—

(1) Theory. The principles underlying the art of expression and literary interpretation.

(2) Practice. Deep breathing. Correction of voice faults and mannerisms. Factors of expression. Analysis and interpretation of the classics. Reading and speaking.

One year, three hours a week, four credits.

2. Action.—

Physical presentations of emotions, including facial expression, gestures and attitudes. Platform work and original presentations.

Prerequisite, course 1. One year, two hours a week, four credits.

3. Shakespeare and Modern Drama.—

Dramatic interpretation.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

French

MRS. LEWIS

1. Elementary French.—

In the first year the aim is to give a thorough grounding and drilling in grammar—with exercises in translation, conversation and pronunciation. In the second semester the reading of some easy work in prose is begun.

One year, four hours a week, eight credits.

2. Prose Reading.—

This course is composed largely of readings in prose works by modern authors, with a light review of the author and his works, as each work is taken up. Composition and conversation are also part of the work.

Prerequisite, course 1. One year, three hours a week, six credits.

3. French Classics.—

This year includes the reading of modern authors and some classics; composition and syntax. Works of Hugo, Corneille, Moliere, Racine.

Prerequisite, course 2. One year, three hours a week, six credits.

4. History of French Literature.—
The fourth year is given to the history of French literature with readings from many authors, and conversation and composition.

Prerequisite, course 3. One year, three hours a week, six credits.

Geology

PROFESSOR ALEXANDER

A general course in dynamic, structural and historical geology. In connection with and as a part of structural geology a short lecture course is given in mineralogy to familiarize the student with the elementary principles of the subject. Le Conte's Elements is made the basis of the year's work, and in addition to the lectures and laboratory work each student is required to do a certain amount of field work and to make an identified collection of the most important rocks and fossils of this locality. An elementary course in chemistry is required.

One year, three hours a week, six credits.

German

ASSOCIATE PROFESSOR BREMICKER

1. Elementary.—
Grammar, a study of the elements of the language, drill from vocabulary, syntax, easy readings from several authors, memorizing of poems, composition.

One year, four hours a week, eight credits.

2. Intermediate.—
Grammar, reviewed, readings from Bacon, Mosher, Stern and others, Schiller's Wilhelm Tell, Die Glocke, Goethe's Egmont or others, memorizing from Wilhelm Tell and Die Glocke, conversation, composition.

Prerequisite, course 1. One year, four hours a week, eight credits.

3. Classic Drama.—
Goethe, Schiller, Lessing, conversation and composition.

Prerequisite, courses 1 and 2, or equivalent. One year, four hours a week, eight credits.

4. Romantic School and Modern Drama.—
Selections from Schlegel, Tiek, Hauptmann, Sudermann and others.

Prerequisite, course 3. First semester, three hours a week, three credits.

5. Modern Prose.—
Scheffel's Ekkehard and selections from various modern authors; scientific German.

Prerequisite, course 3, or equivalent. Second semester, three hours a week, three credits.

6. Narrative Poetry.—
Hermann und Dorothea, Scheffel's Trompeter von Sakkingen, conversation and composition.

Prerequisite, courses 1 and 2, or equivalent. First semester, three hours a week, three credits.

7. Lyric Poetry and the Modern Novel.—
Selections from the leading authors, history of literature, lectures, essays.

Prerequisite, course 3, or equivalent. Second semester, three hours a week, three credits.

8. History of German Literature.—
Selections for reading from Luther, Heine, Kant and others.

Prerequisite, course 3, or equivalent. First semester, three hours a week, three credits.

9. Teachers' Course.—
Readings from different authors of the classical period, drill in grammar, syntax, word formation, composition. The second semester is devoted to a survey of the development of the German language as based on Benhagel's Deutche Sprache, grammar, composition.

Prerequisite, course 3, or equivalent. One year, two hours a week, four credits.

10. Middle High German.—
Grammar of Middle High German, the Nibelungen Lied.

Prerequisite, course 3, or equivalent. Second semester, three hours a week, three credits.

11. Goethe.—
Faust. Conversation.

Prerequisite, course 3, or equivalent. First semester, three hours a week, three credits.

Greek

PROFESSOR HALL

1a. Grammar.—
A study of the elements of the language. Drill in form, vocabulary, syntax, and composition, preparatory to the Anabasis.

One year, four hours a week, eight credits.

2a. Anabasis.—

A thorough syntactical study and reading of four books of Xenophon's Anabasis with prose composition and sight translation.

One year, four hours a week, eight credits.

1. Xenophon or Lucian.—

The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war; or Lucian's Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age.

First semester, four hours a week, four credits.

2. Homer or Herodotus.—

The Iliad, Books I-IV in literary and grammatical study; or Herodotus, stories, and selections from Book VII, with a careful consideration of accidence and syntax, of the Ionic dialect.

Second semester, four hours a week, four credits.

3. Athenian Orators.—

Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure.

Prerequisite, course 2a. First semester, three hours a week, three credits.

4. Plato.—

The Apology and Crito. Socrates and his teachings, with readings from Xenophon's Memorabilia.

Prerequisite, course 2a. Second semester, three hours a week, three credits.

5. The Drama.—

Selected plays of Aeschylus or Euripides and Aristophanes. Rise and development of tragedy and comedy. The Greek theater and production of plays.

Prerequisite, courses 1, 2, 3 and 4. First semester, three hours a week, three credits.

6. English Course in Greek Literature.—

Studies in the elegiac, lyric and dramatic poets of Greece, for students having no knowledge of Greek.

Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

7. The Odyssey.—
Selections from Books I-XII. Sight reading. Literary study of the whole poem from the English translations of Palmer and of Butcher and Lang.

Prerequisite, courses 1, 2, 3 and 4. Second semester, three hours a week, three credits.

8. Lyric Poetry.—
Selections from the elegiac and lyric poets.

Prerequisite, courses 1, 2, 3 and 4. Second semester, two hours a week, two credits.

9. The Greek Testament.—
This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek. The aim is to master a good working vocabulary, the main characteristics of New Testament Greek and to get some practice in Greek exegesis. The work is based mainly on the Acts of the Apostles and some of Paul's Letters.

Prerequisite, fifty-two credits. One year, two hours a week, four credits.

History

PROFESSOR FUNK AND MISS GIBSON

Course 1 is offered every year and is required of all who major in History. The other courses are alternated in such a way that four of them are taught each year.

1. Early European History and the Middle Ages.— PROFESSOR FUNK
From 31 B. C. to 1300 A. D. A suitable text-book, sources, and documents form the basis of the work, supplemented by collateral reading, and topical reports.

One year, four hours a week, eight credits.

2. English Constitutional History.— PROFESSOR FUNK
This is a study of the political and constitutional development of England from the Norman Conquest until 1688. Collateral reading and a thesis are required.

One year, three hours a week, si c edits. Not offered 1914-1915.

3. The Renaissance and the Reformation.— PROFESSOR FUNK

This course covers the period from 1300 to 1648. The greater part of the first semester is devoted to the Renaissance and the remainder of the year is given to the Reformation. Topical reports and a thesis are required.

One year, three hours a week, six credits.

4. The French Revolution.— PROFESSOR FUNK

In this course the causes bringing about the fall of the Bourbons, the revolution proper and the Napoleonic era are studied.

First semester, three hours a week, three credits.

5. American History.— PROFESSOR FUNK

From the adoption of the constitution to 1850.

First semester, three hours a week, three credits.

6. American History.— PROFESSOR FUNK

From 1850 to the present time.

Second semester, three hours a week, three credits.

7. American Colonial History.— PROFESSOR FUNK

Beginning with the earliest settlements in the colonies this course aims to trace the development of those institutions and forces which led to American independence. It also includes a study of the making of the constitution and its adoption.

One year, three hours a week, six credits. Not offered 1914-1915.

8. The Westward Movement.— PROFESSOR FUNK

This is a study of the westward extension of the United States and of the economic and political development resulting from this expansion.

Prerequisite, course 7, or courses 5 and 6. One year, three hours a week, six credits.

9. Modern European History.— PROFESSOR FUNK

From 1815 to the present time. Special attention is devoted to the establishment of constitutional governments and the industrial evolution of this period.

Second semester, three hours a week, three credits

10. History of Rome.— MISS GIBSON

A systematic study of the social and political development of the Roman nation and the causes of its downfall. Course will consist of text-book work, collateral reading and lectures. Recommended to those intending to teach Latin and History.

One year, three hours a week, six credits. Alternates with course 11.

11. History of Greece.— MISS GIBSON

A study of the political and social development of the Greek states to the time of their incorporation into the Roman Empire. Special attention will be given to the permanent influence of Greek civilization. Text-book work, reading, lectures.

One year, three hours a week, six credits. Not offered 1914-1915.

Home Making

ADJUNCT PROFESSOR WHITRIDGE

1. The Home.—

Evolution of the modern home from primitive conditions. Its object. Selection of site with regard to climate, soil, drainage, and neighborhood. Location of house with regard to exposure and distribution of light. Elementary study of architecture in connection with planning a house and plans that meet the requirements, comfort and convenience of the family for which the house is intended. Lectures, problems, and recitations.

First semester, two hours a week, two credits. Not offered 1914-1915.

2. Domestic Hygiene.—

Systems and methods of ventilation, heating and lighting. Water and water tests of the household. Plumbing. Care of the house and household belongings.

Prerequisite, course 1. Second semester, two hours a week, two credits. Not offered 1914-1915.

3. Household Art.—

The furnishing of the house from the standpoint of good taste and economy. Value of form, color design and material in furnishing. Textiles. The study of cotton, linen, flax and wool and the manufacture of each. Color schemes and designs in papering, hangings and rugs.

One year, two hours a week, four credits.

4. Social Culture.—

Study of forms and customs which should be known and observed in community life. The meaning and value of true hospitality.

Second semester, two hours a week, two credits.

Latin

Associate Professor Burgess

Adjunct Professor Gibson

1. Freshman.— Professor Burgess

Cicero, De Senectute; Livy, selections from books I, XXI and XXII; Pliny's Letters. In this course the aim is to fix the student's knowledge of grammatical forms and syntax, and, by constant drill and prose composition, to familiarize him thoroughly with fundamental principles and enlarge his vocabulary.

Prerequisite, four years' work in Latin equivalent to the course in Baldwin School. One year, four hours a week, eight credits.

2. Sophomore.— Miss Gibson

(a) First semester: Horace, Odes, Epodes, Satires and Epistles. A thorough knowledge of forms and syntax is presupposed. Much time is spent on literary content and style. A thorough study is made of the life of Horace, his literary art and prosody. Throughout the course are noted the conditions in the Roman literary world and the various phases of life and politics under the Early Empire.

(b) Second semester: Germania and Agricola of Tacitus or some other prose work, illustrative of the language, character of thought, social and political conditions of the Silver Age. Juvenal's Satires; private life of the Romans.

Prerequisite, course 1. One year, three hours a week, six credits.

3. The Latin Drama.— Professor Burgess

Plautus, Terence, The Senecan Tragedies. A study of representative plays with lectures and topical work on the sources and treatment of material, social conditions, the theater, actors and spectators.

First semester, three hours a week, three credits.

4. Roman Philosophy.— Professor Burgess

(a) Lucretius and Epicurean philosophy. This course consists of the reading and interpretation of the text of Lucretius with a study of his philosophy and its sources. (b) Cicero.—The New Academy. (c) Seneca.—Stoicism. A study of the dialogues of Seneca and a survey of Stoicism in Rome.

One year, three hours a week, six credits.

5. **Letters of Cicero.**— PROFESSOR BURGESS
A course for those intending to teach Latin. In addition to the translation of selections from the Letters, collateral work will be assigned to familiarize the student with the life of Cicero, social and political conditions under the Republic.
One semester, two hours a week, two credits.

6. **Grammar and Composition.**— PROFESSOR BURGESS
A course in advanced composition and a study of prose style and of grammatical rules and principles.
One semester, two hours a week, two credits.

7. **Teachers' Course.**— PROFESSOR BURGESS
This course is designed to prepare students to teach the Latin of secondary schools; to make the student thoroughly familiar with the grammar of the language; to secure by practice the ability to give idiomatic translations of Latin authors; to familiarize the student with the political and social conditions of the Roman State. Students in this course will be required to teach classes in Baldwin School occasionally under the instructor's supervision.
One year, three hours a week, six credits.

8. **Roman Elegiac Poetry.**— PROFESSOR BURGESS
Selections from Catullus, Tibullus, Propertius and Ovid with a study of the rise, development and characteristics of Roman elegiac poetry.
One semester, three hours a week, three credits.

9. **Roman Law.**— PROFESSOR BURGESS
This course consists of translation of the text of the Institutes of Justinian and a study of Morey's Outlines.
One semester, two hours a week, two credits. Prerequisite for courses 3 to 9, courses 1 and 2, or course 1 completed with a grade of A.

10. **Roman Archaeology.**— MISS GIBSON
A course of illustrated lectures with assigned readings and quizzes covering the following subjects: Greek archaeology, architecture and art; Roman building materials, Rome and the Campagna, Roman fora, temples, theaters, amphitheaters, circuses, thermae, arches and tombs, Roman sculpture and art. No knowledge of Latin is required.
Open to juniors and seniors. One year, two hours a week, four credits

Sub-Freshman Classes.—(a) Beginning Latin and Caesar. Two-thirds of the year is devoted to the study of declensions and conjugations, syntax and vocabulary, translations to and from the Latin, and in conversation. The last third of the year is devoted to Caesar. The work begun in this year is planned to accomplish the work regularly done in the four years of high school Latin in three years.

One year, five hours a week, eight credits.

(b) Caesar's Commentaries.

One year, four hours a week, eight credits.

(Note.—For Cicero and Virgil classes see courses scheduled in the curriculum of the Baldwin School.)

Mathematics and Astronomy

PROFESSOR KINGERY

1. **College Algebra.**—

Graphic representation of functions, ratio and proportion, variation, theory of quadratics, progressions, series, etc.

First semester, four hours a week, four credits.

2. **Trigonometry and Analytic Geometry.**—

An attempt is made to give the student a clear understanding of trigonometric functions, development of formulae and their application to the solution of problems, plane and spherical. This is followed by a brief course in analytic geometry, sufficient for elementary courses in physics and astronomy.

Second semester, four hours a week, four credits.

3. **Analytic Geometry.**—

This is a continuation of course 2. Equations of straight lines and the principal curves and their tangents are discussed by both rectilinear and polar co-ordinates.

Prerequisite, course 2. First semester, three hours a week, three credits.

4. **Differential and Integral Calculus.**—

A brief study of the principles of differential calculus based on theory of limits, followed by a short course in integral calculus.

Prerequisite, course 3. Second semester, three hours a week, three credits.

5. **Advanced Calculus.**—

Continuation of course 4.

One year, three hours a week, six credits.

6. Surveying.—

Prerequisite, course 2, Second semester, three hours a week, three credits.

7. Advanced Algebra.—

Intended especially for those preparing to teach.

Prerequisite, course 1. One year, three hours a week, six credits.

8. Astronomy.—

Text-book, lectures and practical work with sextant, transit and clock.

Prerequisite, course 2. One year, three hours a week, six credits.

9. Mechanical Drawing.—

A course designed for those taking shop work or preparing for technical schools.

One year, four hours a week, four credits.

The Mental Sciences and Philosophy

PROFESSOR ANDERSON

1. Psychology.—

An introductory course covering the main features of normal human psychology:

(1) A brief introduction in experimental work, intended to accustom the student to introspective study and to give him an insight into the methods of modern psychological investigation.

(2) A survey of the more prominent aspects of the conscious life. This part opens with a synopsis of the nervous mechanism and is followed by a consideration of the sensations, perceptions, affections, memories, judgments, etc. The work is carried on by means of text-books, collateral readings, lectures, observations by the student, and experiment. Required in all courses.

Prerequisite, thirty-two credits. First semester, five hours a week, five credits.

1a. Advanced Psychology.—

A course designed to study more exhaustively certain problems suggested in course 1, in the domain of comparative, social and educational psychology. The psychology of animals, of races and of society are taken up; then the mental life of childhood and adolescence; and, finally, the bearing of the science upon education, business and professional life is studied.

Prerequisite, course 1. One year, three hours a week, six credits.

2. **Logic and Scientific Method.—**
This is a study of the instruments of thought and investigation and of the methods and tests of proof. Aside from the culture aspect of the study, it is of interest to the student of science, as elucidating the procedure of science; it is of interest to the student of oratory and literature, as forming the basis of all plans and methods of procedure in exposition and argumentation; it is of value to the teacher, since it furnishes the analysis of teaching methods from the content side, just as psychology does from the conscious side. In order to make this discipline as valuable as possible, logical definition and division receive attention, and their relation to literary work is shown. Much attention is given to fallacies and the analysis of fallacious reasoning. The use of hypothesis, analogy and probability, and the methods of scientific experiment and verification are explained and illustrated. Throughout extensive use is made of practical exercises in order to fix principles and develop ability to use them.

Prerequisite, forty credits. Second semester, three hours a week, three credits.

3. **Ethics.—**
This course begins with an historical sketch of ethical theories and of the conceptions of life that have been held. Next, the psychological facts and the philosophy of ethics are investigated in order to gain an adequate basis for ethical theory. Finally, the problems of practical ethics are taken, particular consideration being given to certain of them, which are now occupying the thoughts of men. The attempt is made in this course to develop a system of thought that does justice to Christian motive and doctrine and is, at the same time, based upon a proper scientific and philosophical basis.

Prerequisite, course 1, and 104 credits. Second semester, three hours a week, three credits.

4. **History of Philosophy, Ancient and Medieval.—**
Beginning with the early Greeks, this course follows the course of philosophic thought down to the period of Bruno, with the purpose of noting the development and relationships of the chief philosophical concepts. Attention is concentrated upon the leading thinkers and on the movement of thought. Collateral readings in Plato and Aristotle are required.

Prerequisite, sixty credits, unless by the approval of the instructor. First semester, three hours, three credits.

4a. History of Philosophy, Modern.—

Continuing the preceding: from Bruno to the present time. The course requires extensive collateral readings. Elective, on the same terms as the preceding course.

Prerequisite, seventy-six credits, unless by the approval of the instructor. Second semester, three hours, three credits.

5. Introduction to Philosophy.—

A course aiming to exhibit the great problems of philosophy in a systematic way, and, further, to formulate some positive views in respect to the answers to these problems.

Prerequisite, same as for course 4. First semester, three hours, three credits. Not offered 1914-1915.

5a. Modern Philosophy.—

The course given under this heading will deal with either metaphysics or the theory of knowledge, taking the work of some prominent modern philosopher as a basis. The particular work will be decided after conference with the class.

Open on the same terms as course 4a. Second semester, three hours a week, three credits. Not offered 1914-1915.

6. Advanced Logic and Scientific Method.—

A course covering the same general ground as course 2, but much more thoroughly. It consists of two parts:

(1) Formal logic, with a closer study of logical theory and concepts, modal propositions, etc. With it will be given a brief course of lectures on genetic logic.

(2) Scientific method. A more complete study of the methods of science, including statistics, probability, etc. As a part of this course will be included a brief course of lectures on the history of science.

Collateral readings are required on the methods and aims of science as stated by distinguished men of science themselves.

Prerequisite, course 2. One year, two hours a week, four credits.

Physics

PROFESSOR ALEXANDER

1. Short Course.—

This is a short course which covers the entire subject in one year. Demonstrations in connection with the lectures are substituted for a considerable amount of the individual labo-

ratory work that is done by the student in the long course, and some of the more technical features of the subject that are not of general importance are omitted. The aim is to offer a thorough year's work in the general principles of physics to those who are taking courses which will not permit them to take the regular long course in the subject. It is recommended only to those who are taking classical or literary courses, or a two-year course in preparation for some school of medicine.

Prerequisite, Mathematics, course 2. One year, six hours a week, eight credits.

2. Mechanics, Sound, Heat.—

This course includes a thorough study of mechanics, sound and heat. A large part of the time is spent in laboratory work and the student's conceptions of physical laws are developed as largely as possible from observation and experiment. About forty quantitative experiments are performed by each student in the laboratory, the aim being to afford a working knowledge of modern measuring instruments of precision and to develop quantitative methods, as well as to discover and verify the laws of nature. Careful attention is given to the problem of the errors in measurement, the student being required in each case to consider the origin of the errors and methods for their elimination and to compute the probable errors of observations and results.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits. Not offered 1914-1915.

3. Electricity and Light.—

This course includes a thorough study of electricity and light. Forty experiments are performed, thirty-five of which are in electricity, giving the student an opportunity to familiarize himself with electrical measuring instruments. The work in light includes measurements with the photometer, spectrometer and interferometer.

Prerequisite, course 2. One year, six hours a week, eight credits.

Courses 2 and 3 together constitute what is termed the long course in physics and are designed especially to meet the needs of students taking a scientific course. These two courses together with shop work 2 afford excellent preparation for teaching physics in secondary schools.

Shop Work

PROFESSOR ALEXANDER

1. General Shop Course.—

This is essentially a general culture course in the applied mechanical principles. The work covers a study of the principles involved in modern methods of wood-working and the use and adjustment of wood-working tools; a study of the principles involved in working the various metals and of metal-working tools. The work in metals includes soldering, brazing, forging and the casting of brass and aluminum. For the latter work simple patterns are made in the pattern shop which, with the setting and pouring, introduces the student to the general principles underlying foundry work. The development and transmission of power, including steam and gas engines, water power, dynamos and motors is given considerable attention. The study of the mechanical principles is illustrated by practical exercises involving their application to modern methods. The object is to lead the student to an appreciation of the modern mechanical world, its methods and processes.

One year, five hours a week, six credits.

2. Laboratory Shop Course.—

This course is specially designed for students who are preparing to teach science. It includes a study of the design and construction of various forms of apparatus adapted to demonstrations and laboratory work in high schools and academies; the construction of a number of pieces of apparatus and the determination of their errors; demonstration with the above pieces before the science classes in Baldwin School; visits to high school and college laboratories of the Twin Cities.

Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits.

3. Manual Training Teachers' Course.—

This course is designed for students who are preparing to teach manual training. It includes a short study of the history and development of the manual training idea in education; the development of a progressive set of exercises each one of which must be executed and submitted for criticism accompanied

by a paper explaining the object of the exercise, the connection with preceding exercises and the points that will appeal to the pupils' interest and stimulate creative thought; the conducting of a number of exercises in the manual training department of Baldwin School; visits to manual training and other shops in the Twin Cities.

Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits. Not offered 1914-1915.

Social and Political Science

PROFESSOR DAVIS

The aim of this department is to acquaint the student as far as possible with the whole field of social life and activity. Courses to the number of at least twenty hours will be offered.

1. **Sociology.—**
Under this head are included the history, various theories and principles of sociology. Important aims are, to show the extent of the field, to arouse an interest in the study and to help to correct methods of sociological investigation. A standard text-book is used, but the systems of sociology as presented in Spencer, Ward and others are presented and discussed.
First semester, four hours a week, four credits.

2. **Sociology.—**
The time will be devoted to a more detailed study of the history of sociology, the theories of Giddings, and to original inductive studies. The special topic will be Modern Social Problems.
Prerequisite, course 1. First semester, three hours a week, three credits.

3. **Political Economy.—**
A general survey is taken of the history, theories and generally accepted principles of political economy. A standard text-book such as Gide is used, supplemented by collateral studies in Adam Smith, Mill, Ricardo, Walker, articles in cyclopedias, etc.
Second semester, four hours a week, four credits.

4. **Political Economy.**
In the elective course substantially the same ground is covered, but more attention is given to the historical development of

the science and to the application of sound principles to current economic questions. Special topics will be Business Organization and The Credit System.

Prerequisite, course 3. Second semester, three hours a week, three credits.

5. **History of Civil Government.—**
The State, by Professor Wilson, is used as a text-book, with collateral study of constitutions. The aim is to trace clearly the great and distinctive features in the government of the leading European nations.

Prerequisite, course 3. First semester, three hours a week, three credits.

6. **International Law.—**
A brief course in the outlines of this important subject offered to meet the interest arising from our wider international relations.

Prerequisite, course 3. Second semester, three hours a week, three credits.

7. **Roman Law.—**
Morey's Outlines of Roman Law is used. The object is to make the student acquainted with (1) the origin and development of Roman law; (2) its relation to modern systems of jurisprudence.

Prerequisite, course 3. First semester, three hours a week, three credits.

8. **Financial History of the United States.—**
An historical study of public revenues and expenditures, of public debts and of currency and banking in the United States. Special attention is paid to government reports. The work by Professor D. R. Dewey is used as a text-book.

Prerequisite, course 3. Second semester, three hours a week, three credits.

9. **Elements of Jurisprudence.—**
Holland's Jurisprudence is used as a text-book. The general subjects considered are Laws and Rights, Private Law and Public Law, the object being to acquaint the student with the principles of fundamental law in their historical development and practical application in every phase of social life.

Second semester, three hours a week, three credits. Not offered 1914-1915.

(Note.—A course in the Elements of Bookkeeping and Accounting is offered, a description of which is given under Baldwin School.)

Physical Training for Women

Theory.—

Personal Hygiene.—Short talks on the functions of the skin, the physiologic effects of water, hot and cold; bathing; care of the face; care of the hair, the hands, the feet; care of the mouth and teeth and their relation to good digestion; over-eating and intestinal indigestion; fresh air; ventilation of bed rooms; care of the ears, throat and nose; deep breathing; the foot and the shoe; dress.

Practice.—Gymnastics:

1. Corrective exercises.—Walking, standing and sitting. Elementary work in stall bars, Indian clubs, bar bells, and bounding balls.
2. Parallel bars, ladder and incline rope.
3. Folk dancing.

Required, freshmen, one year, two hours a week.

Program of Studies (Arranged Alphabetically)

First Semester	Mon.	Tue.	Wed.	Thur.	Fri.	Second Semester
Bible, 1A	11:20		11:20			Bible, 1A
Bible, 1B		11:20		11:20		Bible, 1B
Bible, 1C			8:00		8:00	Bible, 1C
Bible, 1D	9:00			9:00		Bible, 1D
Bible, 2A		8:00				Bible, 2A
Bible, 2B			10:20			Bible, 2B
Bible, 2C				1:20		Bible, 2C
Bible, 3		8:00			8:00	Bible, 3
Bible, 4		10:20			10:20	Bible, 4
Bible, 5	10:20			10:20		Bible, 5
Bible, 9		9:00			9:00	Bible, 9
Bible, 12	8:00		8:00	8:00		Bible, 13
Biology, 1	1:20	1:20*	1:20		1:20*	Biology, 2
Biology, 3		11:20		11:20	11:20	Biology, 3
Biology, 4	8:00*		8:00*		8:00*	Biology, 5
Chemistry†, 1		10:20		10:20		Chemistry, 1
Chemistry, 2					10:20	Chemistry, 2
Chemistry, 3			11:20			Chemistry, 3
Chemistry, 4		11:20				Chemistry, 4
Chemistry, 5			8:00		8:00	Chemistry, 5
Education, 1		2:20	2:20	2:20		Education, 2
Education, 3	11:20		11:20	10:20		Education, 3
English, 1A		9:00		9:00	9:00	English, 1A
English, 1B		9:00		9:00	9:00	English, 1B
English, 1C	10:20		10:20		10:20	English, 1C
English, 1D		10:20		10:20	10:20	English, 1D
English, 1E	11:20		11:20		11:20	English, 1E
English, 2	10:20		10:20		10:20	English, 3
English, 4		11:20		11:20	11:20	English, 4
English, 7	9:00	9:00		9:00		English, 8
English, 9		1:20	1:20		1:20	English, 10
English, 12		8:00		8:00		English, 15
English, 13	9:00		9:00		8:00	
Expression, 1A	11:20		11:20		11:20	Expression, 1A
Expression, 1B		11:20		11:20	11:20	Expression, 1B
Expression, 2		9:00		9:00		Expression, 2
Expression, 3		10:20		10:20		Expression, 3
French, 1A	8:00	8:00	8:00		8:00	French, 1A
French, 1B	9:00	9:00	9:00		9:00	French, 1B
French, 2		11:20		11:20	11:20	French, 2
French, 3 and 4	1:20		1:20	1:20		French, 3 and 4
Geology			10:20	10:20	10:20	Geology
German, 1	8:00	8:00	8:00		8:00	German, 1

German, 4			2 :20		2 :20	German, 3
German, 9	9 :00	9 :00		9 :00		German, 5
Greek, 1a	10 :20			10 :20		German, 9
Greek, 2a	8 :00	8 :00	8 :00		8 :00	Greek, 1a
Greek, 3	11 :20	11 :20		11 :20	11 :20	Greek, 2a
Greek, 6	2 :20	2 :20	2 :20		2 :20	Greek, 2
Greek, 9	10 :20			10 :20		
History, 1			9 :00		9 :00	Greek, 9
History, 3		9 :00	9 :00	9 :00	9 :00	History, 1
History, 4		10 :20		10 :20	10 :20	History, 3
History, 5	1 :20		1 :20		1 :20	History, 9
History, 8	11 :20		11 :20	8 :00		History, 6
History, 10		11 :20		11 :20	11 :20	History, 8
History of Art	11 :20	11 :20			11 :20	History, 10
Home Making, 3			10 :20			History of Art
	2 :20		2 :20			Home Haking, 3
Latin, 1	10 :20		10 :20			Home Making, 4
Latin, 2		9 :00	9 :00	9 :00	9 :00	Latin, 1
Latin, 7		1 :20		1 :20	1 :20	Latin, 2
Latin, 10	10 :20		10 :20		10 :20	Latin, 7
Latin, A**				11 :20		Latin, 10
Latin, B**	8 :00	8 :00	8 :00	8 :00	8 :00	Latin, A**
Mathematics, 1A	10 :20	10 :20	10 :20		10 :20	Latin, B**
Mathematics, 1B		8 :00	8 :00	8 :00	8 :00	Mathematics, 2A
Mathematics, 3		9 :00	9 :00	9 :00	9 :00	Mathematics, 2B
Mathematics, 8	10 :20		10 :20		10 :20	Mathematics, 4
Philosophy, 1	1 :20	1 :20		1 :20		Mathematics, 8
	9 :00	9 :00	9 :00	9 :00	9 :00	
Philosophy, 1a	9 :00		9 :00		9 :00	Philosophy, 2
		11 :20		11 :20	11 :20	Philosophy, 1a
Philosophy, 4	8 :00		8 :00	8 :00		Philosophy, 3
Philosophy, 6		10 :20	10 :20		10 :20	Philosophy, 4a
Physics, 1		8 :00			8 :00	Philosophy, 6
Physics, 3		1 :20*		11 :20††	11 :20	Physics, 1
Shop, 1	11 :20	2 :20*	11 :20	2 :20*		Physics, 3
Shop, 2	2 :20*				2 :20*	Shop, 1
Social and Political Science, 1		10 :20	1 :20††			Shop, 2
Social and Political Science, 2	8 :00		8 :00	8 :00	8 :00	Social and Political Science, 3
Social and Political Science, 5	10 :20	11 :20		10 :20		Social and Political Science, 4
Social and Political Science, 7		9 :00		9 :00	9 :00	Social and Political Science, 6
		10 :20	10 :20		10 :20	Social and Political Science, 8

*Hours marked with asterisk are double hours for laboratory work.
**Sub-Freshman.
†Laboratory hours in chemistry are to be arranged with the instructor.
††Three successive school hours; the last two being for laboratory.
A few courses for which hours may be arranged more conveniently by the teacher are not included in the above program.

Program of Studies (Arranged in Parallel Hours)

	Monday	Tuesday	Wednesday	Thursday	Friday
		Bible, 2A Bible, 3	Bible, 1C		Bible, 1C Bible, 3
	Bible, 12 (13) Biology, 4 (5)		Bible, 12 (13) Biology, 4 (5) Chemistry, 5	Bible, 12 (13)	Biology, 4 (5) Chemistry, 5
		English, 12 (15)		English, 12 (15)	English, 13
8 :00 to 9 :00.....	French, 1A German, 1 Greek, 1a	French, 1A German, 1 Greek, 1a	French, 1A German, 1 Greek, 1a		French, 1A German, 1 Greek, 1a
	Latin, A	Latin, A Mathematics, 1 (2) A	Latin, A Mathematics, 1 (2) A	History, 5 (6) Latin, A Mathematics, 1 (2) A	Latin, A Mathematics, 1 (2) A
	Philosophy, 3†	Philosophy, 6	Philosophy, 3†	Philosophy, 3†	Philosophy, 6
	Soc.-Pol., 1 (3)		Soc.-Pol., 1 (3)	Soc.-Pol., 1 (3)	Soc.-Pol., 1 (3)
	Bible, 1D			Bible, 1D	
	Biology, 4	Bible, 9	Biology, 4		Bible, 9 Biology, 4
		English, 1A English, 1B		English, 1A English, 1B	English, 1A English, 1B
	English, 7 (8) English, 13*	English, 7 (8)	English, 13*	English, 7 (8)	
9 :00 to 10 :00.....		Expression, 2		Expression, 2	
	French, 1B German, 4 (5)	French, 1B German, 4 (5)	French, 1B	German, 4 (5)	French, 1B
		History, 1 Latin, 1 Mathematics, 1 (2) B	Greek, 9 History, 1 Latin, 1 Mathematics, 1 (2) B	History, 1 Latin, 1 Mathematics, 1 (2) B	Greek, 9 History, 1 Latin, 1 Mathematics, 1 (2) B
	Philosophy, 1* Philosophy, 2†	Philosophy, 1*	Philosophy, 1* Philosophy, 2†	Philosophy, 1*	Philosophy, 1* Philosophy, 2†
		Soc.-Pol., 5		Soc.-Pol., 5	Soc.-Pol., 5

10 :20 to 11 :20.....	Bible, 5 English, 1C English, 2 (3) German, 9 Greek, 6* Home Making, 4† Latin, 7 Latin, B Mathematics, 3 (4) Soc.-Pol., 2 (4)	Bible, 4 Chemistry, 1 English, 1D Expression, 3 History, 3 Latin, B Philosophy, 4 (4a) Shop, 2 Soc.-Pol., 7 (8)	Bible, 2B English, 1C English, 2 (3) Geology History of Art Home Making, 4† Latin, 7 Latin, B Mathematics, 3 (4) Philosophy, 4 (4a) Soc.-Pol., 7 (8)	Bible, 5 Chemistry, 1 Education, 3 English, 1D Expression, 3 Geology German, 9 Greek, 6* History, 3 Soc.-Pol., 2 (4)	Bible, 4 Chemistry, 2 English, 1C English, 1D English, 2 (3) Geology History, 3 Latin, 7 Latin, B Mathematics, 3 (4) Philosophy, 4 (4a) Soc.-Pol., 7 (8)
11 :20 to 12 :20.....	Bible, 1A Education, 3 English, 1E Expression, 1A German, 2 Greek, 2a History, 5 (6)	Bible, 1B Biology, 3 Chemistry, 4 English, 4 Expression, 1B French, 2 German, 2 Greek, 2a	Bible, 1A Chemistry, 3 Education, 3 English, 1 E Expression, 1A History, 5 (6)	Bible, 1B Biology, 3 English, 4 Expression, 1B French, 2 German, 2 Greek, 2a	Biology, 3 English, 1E English, 4 Expression, 1A Expression, 1B French, 2 German, 2 Greek, 2a

Figures following subjects indicate number of course; plain figures alone indicate course for year; figures in parenthesis, for second semester; *, first semester only; †, second semester only.

Program of Studies (Arranged in Parallel Hours)—Continued

	Monday	Tuesday	Wednesday	Thursday	Friday
11:20 to 12:20.....	History, 10 Physics, 3	History, 8 History, 10 Philosophy, 1a Soc.-Pol., 2 (4)	Physics, 3	History, 8 Latin, 10 Philosophy, 1a Physics, 1	History, 8 History, 10 Philosophy, 1a
1 :20 to 2 :20.....	Biology, 1 (2) French, 3 and 4 History, 4 (9) Mathematics, 8	Biology, 1 (2) English, 9 (10) Latin, 2 Mathematics, 8 Physics, 1	Biology, 1 (2) English, 9 (10) French, 3 and 4 History, 4 (9) Shop, 2	Bible, 2C French, 3 and 4 Latin, 2 Mathematics, 8 Physics, 1	Biology, 1 (2) English, 9 (10) History, 4 (9) Latin, 2
2 :20 to 3 :20.....	German, 3 Greek, 3 Home Making, 3 Shop, 1	Biology, 1 Education, 1 (2) German, 3 Greek, 3 Physics, 1** Physics, 3	Education, 1 (2) German, 3 Greek, 3 Home Making, 3 Shop, 2**	Education, 1 (2) Physics, 1** Physics,.3	Biology, 1 German, 3 Greek, 3 Shop, 1

Figures following subjects indicate number of course; plain figures alone indicate course for year; figures in parenthesis, for second semester; *, first semester only; †, second semester only.

BY CLARMORE STUDIO
FACULTY AND STUDENT BODY
MACALESTER COLLEGE
MARCH 1914

Baldwin School

Accredited to the North Central Association of Colleges and Secondary Schools.

Faculty

JOHN PORTER HALL, A. B., Principal.
Greek.

JAMES WALLACE, Ph. D.
Bible.

DAVID NEWTON KINGERY, A. M.
Mathematics.

RICHARD URIAH JONES, A. B.
Chemistry.

HUGH STUART ALEXANDER, A. M.
Physics.

GRACE BEE WHITRIDGE.
English.

GERTRUDE CRIST.
Commercial Studies.

FRANKLIN WATERS PLUMMER, A. B.
Biology.

MAY GIBSON, A. M.
Latin.

HAROLD OMER BURGESS, A. M.
Latin.

CHARLES BREMICKER, A. B.
German.

HENRY DANIEL FUNK, A. M.
History.

GLENN CLARK, A. M.
English.

LILY ISABEL LEWIS.
German.

MARGARET MacGREGOR DOTY.
Mathematics.

HOSEA GREENWOOD BOSLEY.
Manual Training.

General Information

Historical Sketch
Baldwin School

The Preparatory Department of Macalester College is known as "Baldwin School." It was founded by Rev. E. D. Neill, in 1853, thirty-two years before the opening of the College, and named after Mr. M. M. Baldwin, of Philadelphia. This gentleman had contributed liberally toward the development of Christian education in the Northwest and contemplated the establishment of a university which should bear his name. A charter for such an institution was obtained in 1864, providing also that the preparatory department should be called "Baldwin Grammar School." Mr. Baldwin's untimely death made impossible the establishment of the proposed university. In 1874 the founder of "Baldwin School" obtained a bequest for a college from Mr. Charles Macalester. In appreciation of this gift the charter for "Baldwin University" was revised, the institution being named "Macalester College," and it was further provided "that the preparatory department of said Macalester College shall be known as the Baldwin School." From 1885 to 1890 the catalogues of the college omitted the legal title of "Baldwin School" in describing its courses, referring to it only as the "Preparatory Department." The founder of the School having directed the attention of the Board of Trustees to this omission, the Board ordered that in subsequent catalogues the academy be designated as "Baldwin School." This request was observed during the next four years. Then the description of the preparatory department appears under the caption: "Macalester Classical Academy." As this name had been adopted without any change in the charter legalizing it the Board of Trustees in 1910 again directed the restoration of the original and charter name of the academy, "Baldwin School." That name it now bears.

Admission and Courses

In accordance with the plan, adopted by the Board of Trustees, of Macalester College, at the annual meeting in June, 1913, to discontinue the activities of a preparatory department, only work of junior and senior years will be offered next year in Baldwin School.

Scholastic requirements for entrance in September, 1914, will be two years of high school work or their equivalent.

Credits from approved schools will be accepted in lieu of examinations for entrance.

Two courses are offered, Classical and Scientific.

The languages of the Classical Course are Latin, and Greek or German. The Scientific substitutes science for the Latin of the junior and senior years.

Other requirements of both courses are stated in the synopsis of courses of study.

Edwards' Prize

Mr. W. R. Edwards and Mr. B. K. Edwards, of St. Paul, present, in memory of their father, Mr. W. C. Edwards, a gold medal to that member of the senior class who is graduated with the highest standing. This prize was awarded last year to Katharine Currie Davies.

Synopsis of Courses of Study

Junior Year.	Classical		Scientific	
	1st Sem.	2d Sem.	1st Sem.	2d Sem.
Bible	(2)	(2)	(2)	(2)
English	(4)	(4)	(4)	(4)
Latin	(5)	(5)	..	..
Greek, German } elect one	(5)	(5)	(5)	(5)
Mathematics	..	..	(4)	(4)
Mathematics, Chemistry, Biology, Manual Training } elect one	(4)	(4)	..	..
Chemistry, Biology, Manual Training } elect one	..	..	(4)	(4)

Senior Year.	Classical		Scientific	
	1st Sem.	2d Sem.	1st Sem.	2d Sem.
Bible	(2)	(2)	(2)	(2)
English	(4)	(4)	(4)	(4)
Latin	(4)	(4)	..	..

Senior Year.—Cont.		Classical		Scientific	
		1st Sem.	2d Sem.	1st Sem.	2d Sem.
Greek, German	elect one	(5)	(5)	(5)	(5)
Physics, Chemistry, Biology, Manual Training	elect two	..	..	(4)	(4)
Physics, Chemistry, Biology, Manual Training, History and Civics	elect one	(4)	(4)	..	..

Classical course must include one year of science.
Figures refer to number of hours per week.

Description of Courses

Bible

The Bible is required of all students in Baldwin School. Being the book of the ages, a knowledge of it is deemed an essential part of a good education and vital to the right development of character. Throughout the course a careful study of the text of the Bible itself, correct methods of analyzing and classifying the material are insisted upon. The students are helped to exercise the historical imagination with a view to revivifying as much as possible the life and scenes of Bible times. Careful attention is given to the geography of the Bible and of Bible lands. In this the classes have the help of the large relief map published by the Palestine Exploration Society of England, also of other recent maps and charts.

History.—The first semester is devoted to a careful study of the reigns of Saul, David and Solomon and of the divided kingdom down to the reign of Hezekiah. Much attention is given Old Testament geography. The second semester is given to a study of one of the Gospels and to the Principles of Jesus (by Speer). Junior, two hours a week.

History.—The first semester is given to the history of Judah and Israel from the time of Hezekiah to the fall of Jerusalem.

Considerable attention is given to the contemporary history of Syria, Assyria and Babylon, and the work, influence and teachings of the great prophets receive consideration. The second semester is devoted to the Gospel history and the elements of New Testament history. Senior, two hours a week.

English

Analysis and Expression.—The third year's work is essentially a reading and expression course. Careful analysis is required of the masterpieces read in class. Special emphasis is given to training in articulation, enunciation and public reading. The minor poems of Milton, two plays of Shakespeare and Scott's Lady of the Lake form the basis of study. Junior, four hours a week.

Literature.—The fourth year is devoted to a study of the history of English literature and the reading of short selections from the various authors. Careful attention is given to the historical relations of the different periods in their effect on literature, also the life history of the great English writers, and a brief study of their style. The text is Long's History of English Literature, which is supplemented by brief selected readings from the collection, Twelve Centuries of English Poetry and Prose. Senior, four hours a week.

Latin

Latin is a required study throughout the classical course and for the first two years of the scientific. During the time devoted to this study the student is expected to acquire a large vocabulary, a wide knowledge of the rules of syntax, and the ability to convert English into the Latin idiom. These things furnish an indispensable basis for the work pursued in the college classes. Special attention is given to the forms and structure of the language, which are studied by severe methods of both analysis and synthesis. The grammar is thoroughly studied and the memory is helped by a rational explanation of forms.

For courses in beginning Latin and Caesar consult college courses "Sub-freshman."

Cicero and Composition.—The junior year is devoted to Cicero, composition and a more thorough study of the grammar. Six orations are read. Junior, five hours a week.

Virgil.—The senior year is devoted to Virgil. The Aeneid is studied both textually and as literature. Six books are read. Prosody receives careful attention. Senior, four hours a week.

Greek

Greek is a required study alternative to German in the classical course.

Lessons.—The aim of this course is to master the elements of the language, six hundred to eight hundred carefully selected Greek words and two or more chapters of the Anabasis. Junior, five hours a week.

Anabasis.—This year is devoted to a thorough reading and syntactical study of four books of Xenophon's Anabasis accompanied by prose exercises and sight reading in the fifth and sixth books. Special effort is made to master a large vocabulary. Senior, five hours a week.

German

German is a required study alternative to Greek in the classical course.

First Year.—Joynes'-Meissner Grammar. A study of the elements of the language, drill in forms, syntax, easy reading and writing. Junior, five hours a week.

Second Year.—Review of grammar, readings from Mosher, Bacon, Schiller, Goethe and others, memorizing of parts from Schiller and Goethe, composition. Senior, five hours a week.

Mathematics

Advanced Algebra.—A review of first year's work and study of progressions, ratio and proportion, quadratics, graphs, etc. Junior, first semester, four hours a week.

Solid Geometry.—Junior, second semester, four hours a week.

Science

Physiology.—Text-book and discussions of physiology, hygiene and sanitation, supplemented by as much laboratory work as the limited time will permit. Junior or senior, first semester, four hours a week.

Botany.—A short course, including text-book, laboratory and field work. Junior or senior, second semester, four hours a week.

Zoology.—Text-book and laboratory work on type forms. Junior or senior, one year, four hours a week. Not offered 1914-1915.

Chemistry.—A general course in inorganic chemistry including text-book, lectures and laboratory. Junior or senior, six hours a week, four hours' credit.

Physics.—This subject includes a thorough elementary study of mechanics, heat, sound, light and electricity. The ground covered is fairly represented by such texts as Carhart and Chute or Hoadley. Junior or senior, one year, six hours a week, four hours' credit.

History and Civics

The aim of this department is the acquisition by the student of such historical and political knowledge as will be a necessary element in general culture and a solid foundation for further studies in history and government. The method of teaching employed is that of the text-book with assigned topics for investigation.

Medieval and Modern History.—Senior, second semester, four hours a week.

Civics.—An elementary study of the different branches of government, local, state and national, in this country. Senior, first semester, four hours a week.

Manual Training

The work of this course includes the practical use and care of ordinary hand-tools for wood-working, gluing, staining, varnishing and wood-turning. Junior or senior, seven hours a week, four hours' credit.

Accounting

Elements of Bookkeeping and Accounting.—The first third of this semester's work is devoted to bookkeeping and the remainder to the study of accounting and the analysis of corporation reports. The bookkeeping part of the course is designed to give students the elementary knowledge of bookkeeping terms and propositions essential to the understanding of accounts. No preliminary knowledge of bookkeeping is assumed. The increasing

insistence upon statistical and financial reports not only in business but in religious, benevolent, educational and social organizations makes such a course helpful and almost necessary to those contemplating business pursuits and professional life. Open to election by college students. Each semester, five hours a week, three hours' credit.

Music

Credit in music is given students in classical course when work to the amount of one unit is completed.

Baldwin School Program of Studies

Subjects and Class	Mon.	Tues.	Wed.	Thur.	Fri.
Bible, J	.....	2 :20	.....	.....	2 :20
Bible, S	.....	.....	1 :20	.....	1 :20
Biology	10 :20	9 :00	11 :20	9 :00	.....
Chemistry†	.....	10 :20	.....	10 :20	.....
English, J	1 :20	1 :20	.....	1 :20	9 :00
English, S	8 :00	1 :20	8 :00	1 :20	.....
German, J	10 :20	10 :20	10 :20	10 :20	10 :20
German, S	.....	10 :20	10 :20	8 :00	10 :20
Greek, J	8 :00	8 :00	8 :00	.....	8 :00
Greek, S	11 :20	11 :20	.....	11 :20	11 :20
Latin, J	9 :00	11 :20	11 :20	1 :20	11 :20
Latin, S	.....	9 :00	11 :20	9 :00	8 :00
Manual Training	2 :20*	2 :20*	1 :20	2 :20*	.....
Mathematics, J	11 :20	.....	1 :20	11 :20	1 :20
Physics	9 :00	11 :20	9 :00	.....	9 :00

*Periods marked with the asterisk are double periods for laboratory work.
†Laboratory hours in chemistry are to be arranged with the instructor.

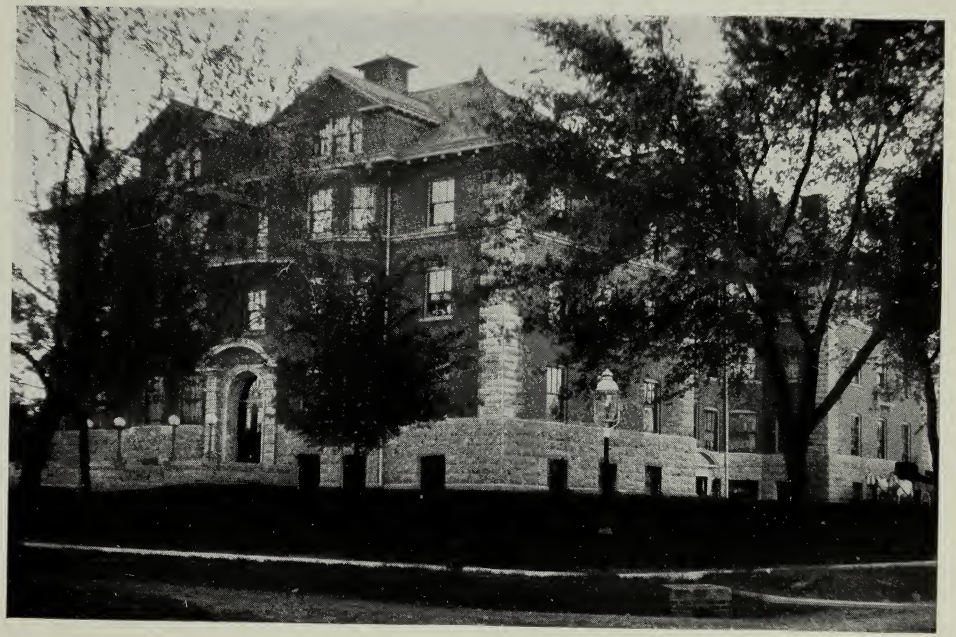
Macalester College
Conservatory of Music

N. W. Phone, Midway 2656
Wallace Hall, Summit and Macalester Avenues

HARRY PHILLIPS
Director of Conservatory

HELEN E. BRIGGS
Representative

MABEL R. REED
Secretary



WALLACE HALL. WOMEN'S DORMITORY

Faculty

HARRY PHILLIPS,
Director. Instructor in Voice Culture.

GEORGE HERBERT FAIRCLOUGH,
Instructor in Piano, Organ, Theory.

HEINRICH HOEVEL,
Instructor in Violin.

HELEN E. BRIGGS,
Instructor in Normal Training, Piano, Ear Training and Psychology for Music Teachers.

A. PEPINSKY,
Instructor in Violin.

ELIZABETH REBEKAH SPEER,
Instructor in Piano and Voice.

EMILY GRACE KAY,
Instructor in Piano, Harmony, Appreciation, Sight Singing, History, Theory and Public School Music.

ALICE E. HOLEN,
Instructor in Piano.

BESSIE A. GODKIN,
Instructor in Piano.

HELEN M. SCHUTTE,
Assistant Instructor in Violin.

MYRTLE WEED,
Instructor in Piano.

CHARLOTTE BURLINGTON,
Assistant Instructor in Piano.

MABEL R. REED,
Assistant Instructor in Piano.

N. BRIGLIA,
Instructor in Flute.

F. SCHELD,
Instructor in Cello.

THEODORE F. MEIER,
Leader of College Band and Orchestra.

JENNIE STANLEY HODGMAN,
Lecturer in History of Fine Arts.

Course of Study

The Conservatory of Music offers a thorough course of instruction in Voice, Piano, Organ, Violin and other stringed instruments; also a theoretical course including Harmony, Counterpoint, Composition, Musical History and Analysis. In each branch of musical study a systematic course, leading to graduation, will be pursued. Time required for completion varies, averaging three years, length of course depending on the pupil's ability and intelligent devotion to work.

There is a preparatory, a junior and a senior year, bounded at the beginning by strict entrance requirements and at the end by a degree of Bachelor of Music. The required studies of the preparatory year include, besides the major subject, as piano, voice, organ or violin, two hours weekly of harmony, one of history of music, one of sight-reading, one of recital, one of chorus, five hours' study of English, German, or any subject for which the student is prepared,—studies all receiving due credits in the College or Baldwin School. Compulsory requirements are a new feature of this preparatory year.

The junior year continues the studies begun as preparatory, working into the more advanced harmony, history, recital and chorus, and substituting for sight-reading, ensemble playing, hymn playing in College Chapel for organ students, chamber music and orchestral playing for violin students, and an additional year of piano for vocal students. Students satisfactorily completing this year of work will be given a teacher's certificate if desired.

The senior year requires of all students study of appreciation of music, history of the fine arts, and the writing of a graduation thesis,—of the piano students a year of vocal and a half year of accompanying, besides advanced work in harmony and recital; of the vocal students, a third year of piano and a year of Italian, advanced work in harmony, recital and chorus; of the organ students, a third year of piano and a year of vocal, advanced work in harmony, recital and chorus; of the violin students, a third year of piano and a year of vocal, advanced harmony, recital and chorus. Upon completion of the senior year, a diploma from the Conservatory of Music is awarded.

The degree of Bachelor of Music, which is given by several of the best schools, Syracuse, Northwestern and others, represents at Macalester a student's successful conclusion of a difficult course

sealed by the approving stamp of the music faculty. Candidates for this degree must, in addition to the requirements of the senior year, have finished high school work in full and a year of college work, consisting of languages, physics of music and desired electives.

Aside from the regular courses, special courses to fit the needs of any pupil are planned. We urge all to select as far as possible such courses and studies as will develop a well rounded musicianship.

Those, however, not desiring to graduate or select any special course may pursue such musical studies as suit their taste.

Classification

Upon entrance pupils are examined, classified and placed in their fitting grade, by the director.

Entrance.—Pupils who expect to graduate must enter at the beginning of the school year. Those not wishing to graduate may enter at any time in the year. Completion of the eighth grade is required for entrance.

Teacher's Certificate.—Teachers' certificates will be given to all pupils who have completed the junior year in full to the satisfaction of their individual teachers; along with two units of English, besides the five hours required each year in regular course.

Diploma from the School of Music.—A student, to receive a diploma, must have completed the work of the senior year in full, written a graduating thesis, given a whole or such part of a program as the director may decide upon, and taken part in the graduating program of the Conservatory of Music. Further, graduates must have completed the equivalent of eight units of the course of the high school including two units of English, in addition to the five hours required each year.

Diploma with the Degree of Bachelor of Music.—Students who wish to take this course in music must, in addition to the required five hours a year, have completed high school work in full, and must take the equivalent of one year in college work. This work in college is to be made up as follows: English, 1; Physics of Music; German, one year; French, one year; electives. Every music pupil must throughout the course take five hours of work in college or school.

Special courses are offered those living in the city who do not wish to take the regular course.

Voice Culture

In the department of vocal music, those methods which experience justifies as being at once effective and artistic in their results, have been adopted. It is the policy to secure a systematic and thorough culture on the basis of the best Italian methods.

Undisciplined voices require the utmost care and attention at the very commencement of training; therefore, if the future voice is to be at all agreeable and pleasant, the preliminary work must be perfectly mastered before proceeding further.

First Year.—The method book, called "Voice and Song," is a compilation of all that is best in former treatises. It sets forth in a clear, logical and uncommonly practical manner the principles of singing, and has the most satisfying directions for instruction and practice. The material in this book, with vocalises by Sieber, Concone, and the study of songs, ballads by Larsen, Grieg, Buck, Gounod and others, makes the first year's work complete.

Second Year.—Studies in phrasing and rapid execution, German Songs by Mozart, Schubert, Schumann, Liszt, Franz, Beethoven, etc., also some of the lighter selections from the Operas.

Third Year.—Oratorio, in all forms, Bach, Haydn, Haendel, Mendelssohn, Gounod, Verdi. Selections from the heavier Operas, and songs of the modern school. Frank, Wolf, Homer, Tours, Massenet, Dvorak, Ronald, Nevin, Ganz.

Every student graduating in vocal music must have at least one year of German.

Pianoforte

Individual instruction is given and the regular course calls for one hour's instruction per week, divided into two lessons of thirty minutes each. Where but one lesson a week is taken, the lesson will be forty-five minutes in length. In preparatory work, it is advisable to take one-hour lessons, instead of two half-hours per week.

Preparatory.—Thorough grounding in hand, finger and arm training. Rudiments of music. Easier studies to suit capabilities of each pupil. Pupils are thoroughly prepared for the entrance into the three years' course.

First Year.—Czerny, Velocity Studies, Bertini, Loeschorn, Heller, etc. Bach—Little Preludes and Fugues. Sonatinas and easy Sonatas.

Second Year.—Czerny Op. 740, Cramer-Bulow, fifty Selected Studies, Heller, MacDowell, etc. Bach—Two or Three Part Inventions. French Suites. Sonatas of Mozart, Haydn and Beethoven.

Third Year.—Clementi, Tausig, Gradus ad Parnassum, Czerny Op. 740, Chopin Etudes, Kullak Octave School, Bach's Forty-eight Preludes and Fugues, Sonatas of Beethoven, Repertoire from Classical and Modern composers.

In each grade suitable pieces will be given as the pupil is ready for them.

Post Graduate.—Advanced work. Continuation of previous year. Concertos (with second piano or orchestra accompaniments).

Pipe Organ

Before beginning the study of the Pipe Organ, the student should have had at least one year's instruction on the piano and should have a thorough knowledge of the rudiments of music. The Director of the Department is organist of two leading churches in St. Paul, St. John's Episcopal and Mount Zion Hebrew Temple. Many of the younger organists in St. Paul are, or have been, pupils of Mr. Fairclough.

Public School Music

Miss Kay was for four years a supervisor of public school music and is thoroughly conversant with the most approved methods now in use.

One of the greatest inducements offered is the chance to visit different schools, and there get an idea of the practical side of the work, as given in all the grades of the St. Paul and Minneapolis schools.

There is a steady and constantly increasing growth in the demand for competent men and women thoroughly equipped for the teaching and supervising of music in public and private schools. There is, however, a corresponding advance in the preparation required, and it is no longer possible for one, however musical, to do satisfactory work without special training along well defined and systematic lines. This training is not only essential, but is demanded by superintendents and boards of education when employing teachers of public school music.

All students in public school music who are preparing to teach this branch will be required to take an examination in voice in order to receive a certificate, given by the Music Teachers' Association of Minnesota in their new plan of examining and classifying teachers according to their fitness for such work. School Superintendents will require such certificates from all applicants.

The study of voice will be required of pupils in public school music to meet this demand.

All students residing at Wallace Hall will arrange for piano practice at the Conservatory of Music.

All pupils must register with the director for any and all branches of music taken.

Normal Training Course for Piano Teachers

The demand of the times is for musicians equipped not only technically, but also in the art of imparting instruction. The Normal course is designed to meet such demands and to give young teachers valuable assurance.

It Teaches the importance of making instruction clear; of development of **original** musical ideas of pupils; of arousing the spirit of earnest research, that characteristic so valuable to pupil or teacher, of giving music an added intellectual value.

Enables student-teachers to acquire knowledge and fine appreciation of educative principles and to profit by valuable experience of other teachers.

Gives valuable information regarding teaching material and aids in correcting wrong tendencies in pupils.

In fact, **It Teaches How To Teach.**

Miss Briggs has been in charge of the musical affairs of several of Minnesota's well known schools. This experience in connection with college conservatory and private school musical work, also that gleaned from several years of successful private teaching in Colorado and Minnesota, make her work authoritative, especially to those desiring to learn how to impart their knowledge to others. Her earnest desire is to develop a thorough musicianship in her pupils, that they may fill with dignity and well deserved success their places in the musical world.

History of Music

In the study of the history of music, which is obligatory to all music pupils, Mathew's Popular History of Music and Fillmore's Lessons in Musical History are used. Students also have access to all of the best and most complete works bearing on the study of the voice and piano.

Sight Reading

All pupils of vocal music must have at least one year of sight reading before receiving either a Teacher's Certificate or Diploma. The cost of these lessons will be nominal. It is impossible to sing correctly and effectively at all times without an exact and practical knowledge of music and its notations.

The Class in Appreciation of Music gives an opportunity for careful analysis of different forms and special works of music, bringing the student into close touch with the best in musical literature.

Classes in Public Performance are helpful in overcoming natural diffidence and nervousness, and in giving that confidence and poise so necessary to the successful player and singer.

The cost of sheet music for a year is comparatively small, as reduced rates are given the students.

Music as an Elective

Music, instrumental or vocal, may be taken as an elective in the junior and senior years, provided the student is sufficiently proficient to do advanced work. A minimum of six hours a week must be devoted to the study, and it will not be credited for more than two hours per week. The fitness of the student to take this elective will be determined by examination, and the expense of the instruction must be borne by the student.

Choral Class

Each year a Chorus is formed for the purpose of studying some sacred cantata or oratorio, which, after thorough preparation, is given in the Westminster Presbyterian Church, Minneapolis, and the House of Hope Presbyterian Church, St. Paul. The benefit

of such work is of untold value to everyone, whether music student or not, and is open to all students who have good voices and wish to become members. The charge will be $2 per year.

Orchestra

A College Orchestra, composed of students and under the leadership of Theodore F. Meier, is open to all students at a nominal fee of one dollar a year.

The Orchestra is composed of those students who play orchestral instruments and covet the pleasure and benefits of orchestra experience. They meet once each week for rehearsal and are frequently called upon to furnish music on public occasions. A good class of music reflecting in a measure the tastes and spirit of the performers is studied, due attention being paid to the technical details necessary as a basis for an adequate musical interpretation. Thus the work is systematic and progressive, aiming as it does, to instruct as well as entertain.

Musical Advantage of Location

Because of the situation of Macalester College—between the two cities—exceptional opportunities present themselves to students for hearing the best in the world of music. The musical facilities of the Twin Cities are exceptionally good.

St. Paul and Minneapolis each have a magnificent auditorium and a large symphony orchestra, whose concerts present such artists as Schumann-Heink, Bispham, Chuan, Caruso, Busoni, Scotti, Jomelli and Mero. Many independent artists of international fame are also booked.

In St. Paul concerts are given by the Schubert Club. The Philharmonic mixed chorus of two hundred and fifty voices, the Apollo Club of one hundred male voices and the Thursday Musicale represent the musical activity of Minneapolis.

This year St. Paul had a short season of Grand Opera given by the Chicago Grand Opera Company, appearing in "Rigoletto," "Manon," "La Boheme," "Tosca" and "Parsifal."

Course in Music

Preparatory Year

PIANO	Hrs.	Cred.
Piano 1st and 2d	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½
English, German or any other subject for which they are prepared.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½
English, German. Elect German if less than two years.		

ORGAN	Hrs.	Cred.
Organ	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

Junior Year

PIANO	Hrs.	Cred.
Piano	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Recital	1	½
Chorus	1	½
Ensemble Playing	1	½
German, French or any subject for which prepared.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Recital	1	½
Chorus	1	½
Piano	1	1
German, French or any subject for which prepared.		

ORGAN	Hrs.	Cred.
Organ	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chapel Playing	1	½
German, French or any subject for which prepared.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chamber Music	1	½
French.		

Senior Year

PIANO	Hrs.	Cred.
Piano	2	2
Vocal	1	1
Theory	2	2
Recital	1	½
Ensemble Playing	1	½
Appreciation	1	½
History of Fine Arts	1	1
Chorus	1	½
Accompanying	1	
Graduating Thesis.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Piano	1	1
Theory	2	2
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Italian		
Graduating Thesis.		

ORGAN	Hrs.	Cred.
Organ	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2
Graduating Thesis.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2
Graduating Thesis.		

In the college eight credits will be allowed toward graduation. These credits are on the basis of one-hour periods.

Terms for Instruction

Per Semester

Vocal Lessons	$90.00 to $30.00
Piano	54.00 to 22.00
Pipe Organ	50.00
Violin	$72.00 to 20.00
Harmony	18.00
Public School Music	30.00
Normal Work	40.00
Sight Reading	4.50
Ensemble	25.00
Piano Practice, per hour	4.00
Cost of Graduation	10.00

History of Music, Appreciation and History of Fine Arts are free advantages.

Payment strictly in advance and only in case of severe illness of more than two weeks' duration can any deduction be made for missed lessons. In such cases the school shares the loss equally with the pupil.

Honorary Degrees

Conferred by Macalester College

No honorary degrees were given by Macalester College before 1901.

1901: D. D. to Rev. Charles Thayer, Ph. D.....Deceased
D. D. to Rev. George W. Davis, Ph. D...St. Paul, Minn.

1902: D. D. to Rev. H. F. Stilwell.....St. Paul, Minn.
D. D. to Rev. J. Le Moyne Danner.....Indianapolis, Ind.
LL. D. to Hon. Thomas Wilson.....Deceased

1903: D. D. to Rev. Joseph Cochran, Macalester, '89.....
.....Philadelphia, Pa.

1904: D. D. to Rev. Stanley B. Roberts.....Minneapolis, Minn.
M. A. to Myron A. Clark, Macalester, '90.....
.....Rio de Janeiro, Brazil

1905: D. D. to Rev. Charles F. Hubbard.....Auburn, N. Y.

1906: D. D. to Rev. Donald D. McKay.....Tacoma, Wash.

1907: D. D. to Rev. Archibald Cardle, Macalester, '94.....
.....Burlington, Iowa

1910: D. D. to Rev. Charles T. Burnley.....Deceased
D. D. to Rev. Alfred E. Driscoll.....Ashland, Wis.
D. D. to Rev. William Porter Lee, Macalester, '89.....
.....Germantown, Pa.
D. D. to Rev. Harry Clinton Schuler, Macalester, '95....
.....Resht, Persia
D. D. to Rev. John Hansen Sellie, Macalester, '95.....
.....Buffalo, Minn.

1911: D. D. to Rev. Charles Allen Clark, Macalester, '99.....
.....Seoul, Korea
LL. D. to Rev. Albert Brainerd Marshall, D. D.....
..... Omaha, Neb.
LL. D. to Rev. George Livingstone Robinson, Ph. D., D. D.
.....Chicago, Ill.

Alumni

Alumni Association

It will be esteemed a favor if each alumnus who changes his residence will notify the President of his new address. Information from any source that will assist in keeping this roll complete will be appreciated.

The Alumni Association of Macalester College has two purposes in view: to bind into a unit the graduate body and help to preserve and increase the value of the friendships formed in College, and to further the interests of the Alma Mater and make her more widely known. To assist in this work it publishes "The Graduate," a monthly paper devoted to the interests of the alumni, college and students generally. Communications to either "The Graduate" or Alumni Association should be sent to the college.

Officers

H. S. Alexander.....President
R. U. Jones.....Vice-President
H. D. Funk.....Secretary
Isabelle Elmer.....Treasurer

Roll of Alumni

Class of 1889

George Washington Achard.....Business, Minneapolis, Minn.
Joseph Wilson Cochran.....Minister, Philadelphia, Pa.
Ulysses Grant Evans.....Minister, Sweetwater, Ill.
James Chase Hambleton.....Teacher, Columbus, Ohio
Benjamin Wallace Irvin.....Deceased
Samuel M. Kirkwood.....Surgeon, St. Paul, Minn.
William Porter Lee.....Minister, Germantown, Pa.
Paul Erskine McCurdy.....Business, Philadelphia, Pa.
Louis Ferdinand Slagle.....Deceased
Charles Albert Winter.....Deceased

Class of 1890

Myron A. Clark..National Sec. Y. M. C. A., Rio de Janiero, Brazil
Thaddeus T. Cresswell.....Minister, Pomona, Cal.
John Knox Hall.....Missionary, Denver, Colo.
William Henry Humphrey.....Deceased
William Paul Kirkwood.....Magazine Writer, St. Paul, Minn.
Amos Avery Randall.....Deceased
Judson L. Underwood.....Missionary, Ashland, Kan.

Class of 1891

Frank Brown.....Willmette, Ill.
Walter F. Finch.....Minister, Slayton, Minn.
Walfred Sunberg.....Deceased
William B. Turner.....Business, Boston, Mass.
Thomas C. Williamson.....Business, Greenwood, S. D.

Class of 1893

James Carlisle Simonton.....Business, Minneapolis, Minn.
Joseph Zoll.....Address unknown.

Class of 1894

Francis W. Beidler.....Minister, Monte Vista, Colo.
Archibald Cardle.....Minister, Burlington, Iowa.
Paul A. Ewert.....Attorney, Joplin, Mo.
George E. Johnson.....Business, Sayre, Okla.
Samuel M. Marsh.....Minister, Brown's Valley, Minn.
William H. Sinclair.....Minister, Clarksville, Iowa

Class of 1895

Frank E. Balcome.....Physician, St. Paul, Minn.
John W. Christianson.....Minister, Sisseton, S. D.
Thomas Fitz-Morris Clark.....Minister, St. Croix Falls, Wis.
Charles D. Darling.....Minister, Roswell, N. M.
Edwin Howard Gordon.....Deceased
Harry Clinton Schuler.....Missionary, Resht, Persia
John Hansen Sellie.....Minister, Buffalo, Minn.
Arthur Whitney Vance...City Editor, Daily News, St. Paul, Minn.

Class of 1896

Alexander Edward Cance, Prof., Mass. Agr. College, Amherst, Mass.
Moses M. Maxwell.....Minister, Warren, Minn.
Samuel F. Sharp.....Minister, Exeter, Ontario, Can.

Class of 1897

Albert Ernest Evans.....Minister, Sunset, Wash.
Charles W. Hansen.....Deceased
Ernest Charles Henke.....Minister, Baraboo, Wis.
George Leck.....Deceased
John McLearie, Professor, State School of Mines, Rapid City, S. D.
Winifred Moore-Mace.....Racine, Wis.
Arthur A. Palmer.....Minister, Newberg, Ore.
Charles Petran.....Missionary, Mexico City, Mexico
Louis B. Sherwin.....Minister, Two Harbors, Minn.
William K. Sherwin.....Teacher, Barnum, Minn.
Arthur G. Welbon.....Missionary, Andong, Korea

Class of 1898

Clarence Dwight Baker.....Deceased
Charles Warren Dade.....Business, Edgely, N. D.
Anna Moore Dickson.....Teacher, St. Paul, Minn.
Caspar Gregory Dickson...Clerk National Library, Washington
Nellie M. Flanders-Sherwin.....Barnum, Minn.
John M. Guise.....Principal of School, St. Paul, Minn.
Carlton Leslie Koons.....Minister, Ashland, Wis.
Robert C. Mitchell.....Minister, Estherville, Iowa
William James Mitchell.....Minister, Grandview, Wash.
David Walter Morgan.....Minister, Nioto, Ill.

Class of 1899

Hugh S. Alexander..Professor, Macalester College, St. Paul, Minn.
Walter Baker Augur.....Minister, Jasper, Minn.
Charles Allen Clark.....Missionary, Seoul, Korea
Ralph Elmo Clark.....Minister, Erskine, Alberta, Can.
Paul Doeltz.....Missionary, Iloilo, Philippine Islands
George C. Edson.....Minister, Hasbrouck Heights, N. J.
Thomas George Jamieson.....Business, Calgary, Can.
Almira F. Lewis.....Denver, Colo.
James Murray.....Minister, Othello, Wash.
Samuel Merton Pinney....Superintendent, Dodge Center, Minn.
Jacob Elmer Smits.....Deceased
George Stanley.....Minister, Bloomington, Minn.
Murray Alberton Travis.....Minister, Collegeport, Texas

Class of 1900

John Calvin Abels.....Minister, Colombo, Ceylon
Miles Strong Grimes.....Minister, White Salmon, Wash.
Ralph Emerson Herron.....Business, Manito, Ill.
John Robert Landsborough.....Minister, Oregon City, Ore.
Ernest A. Oldenburg.....Minister, Hastings, Minn.
Mathilde Pederson-Romunstaad.....Deceased
Irving David Roach.....Business, Azusa, Cal.
William James Sharp.....Minister, Ellensburg, Wash.
Roy Walker Smits.....Deceased
David A. Thompson.....Minister, Olympia, Wash.

Class of 1901

William Beckering.....Minister, Oostberg, Wis.
Louis Benes.....Minister, Waupun, Wis.
Henry Roy Bitzing.....Lawyer, Mandan, N. D.
Percy Porter Brush.....Lawyer, Kelso, Wash.
Charles Morrow Farney.....Business, St. Paul, Minn.
Henry D. Funk.....Professor, Macalester College, St. Paul, Minn.
Nathaniel E. Hoy.....Meadow, S. D.
Lewis Hughes.....Teacher, Ottawa, Minn.
Richard U. Jones....Professor, Macalester College, St. Paul, Minn.
William C. Laube.....Professor, Presb. Sem., Dubuque, Iowa
Millicent V. Mahlum-Kelts.....Newton, Kan.
William H. Travis.....
Pres. Gulf Coast University of Industrial Arts, Collegeport, Tex.
Lily Bell Watson.....Macomb, Ill.

Class of 1902

Frederick Brown.....Deceased
Robert L. Davidson.....Teacher, Kent, Wash.
Sarah A. Haines.....Seattle, Wash.
Grace Iddings-Fletcher.....Grand Forks, N. D.
Leonard L. Mann.....Minister, Ipswich, S. D.
Francis H. Newton.....Minister, Creston, Wash.
Winifred R. Pringle-Weber.....Bayfield, Wis.
Edgar E. Sharp.....Lawyer, Moorhead, Minn.
Benjamin Bruce Wallace, Instructor, N. W. University, Evanston, Ill.
Helen Margaret Wallace-Davies.....Chicago, Ill.

Class of 1903

John Morton Davies.....Minister, Chicago, Ill.
Bessie Shepard Doig-Jacobson.....Panora, Iowa
Julia Anita Elmer.....Teacher, St. Paul, Minn.
Peter Erickson.....Minister, Minot, N. D.
Ebenezer Thomas Ferry.....Minister, Claremont, Minn.
Emma Inez Godward-Davies.....St. Paul, Neb.
Robert McMaster Hood.....Minister, Madera, Cal.
Peter Westin Jacobson.....Minister, Panora, Iowa
Raymond Lewis Kilpatrick.....Sulzer, Alaska
Donald Norman MacRae..Minister, Glace Bay, Cape Breton, N. S.
Henry Morgan.....St. Paul, Minn.
Joseph E. Rankin.....Minister, Long Lake, Minn.
Mary J. Rankin.....Missionary Teacher, Sneedville, Tenn.
Max M. Wiles.....Minister, Princeville, Ill.
William H. Weber.....Business, Bayfield, Wis.

Class of 1904

Grace Ivanore Chapin-Sharp.....Moorhead, Minn.
Peter Arthur Davies.....Minister, St. Paul, Neb.
Thomas Hunter Dickson.....Physician, St. Paul, Minn.
Margaret Evans-Detweiler.....Ponce, Porto Rico
William Horatio Kendall.....Minister, Farmington, Ill.
Alfred Edward Koenig....Instructor, U. of Wis., Madison, Wis.
William Oliver Rothney.....Inspector of Schools, Quebec, Can.
Henry John Voskuil.....Missionary, Amoy, China
Tolbert Watson.....Physician, Albany, Minn.
Mabel Wicker.....Teacher, Kenyon, Minn.

Class of 1905

John Thomas Anderson.....Minister, Belfield, N. D.
Earl Kenneth Bitzing.....Editor, Mandan, N. D.
Eugene Erwin Bromley.....Cosmopolis, Wash.
Isabelle Allison Elmer.....St. Paul, Minn.
Asa John Ferry.....Minister, Philadelphia, Pa.
Thomas Edwin Flinn.....Physician, Redwood Falls, Minn.
Ledru Otway Geib.....Medical Student, Detroit, Mich.
Mary Carnahan Guy-Shellman....Missionary, Pitsanuloke, Siam
Marie Grace Jamieson-Smith.....Lewisville, Ind.
Daniel Griffin Le Fever.....Business, Minneapolis, Minn.
James Albert Slack.....Minister, Powell, Wyo.
Robert Owens Thomas.....Chicago, Ill.
Jane Turnbull.....Teacher, Kerkhoven, Minn.

Class of 1906

Levi H. Beeler.....Winthrop College, Rock Hill, S. C.
James Ekin Detweiler.....Missionary, Yamada, Japan
James Hamilton.....Minister, Hebron, Neb.
Roscoe Cliver Higbee.....Principal of School, St. Paul, Minn.
Alexander Hood.....Missionary, North Fork, Cal.
Albert Kuhn.....Professor, Presby. Sem., Dubuque, Iowa
Paul H. Th. Rusterholz.....Principal, Red Wing, Minn.
Ruth Estelle Swasey-Rusterholz.....Red Wing, Minn.
Gordon Graham Thompson.....Physician, Seattle, Wash.
Frank Harvey Throop.....Missionary, Soo Chow, China
Margaret Turnbull.....Principal, Watertown, S. D.

Class of 1907

William Harvey Amos.....Minister, Ida Grove, Iowa
James Albert Caldwell.....Hannah, N. D.
Robert W. Davies.....Superintendent, Morris, Minn.
Josephine Elmer-Ballou.....St. Paul, Minn.
Marshall Gregory Findley, Professor Parsons College, Fairfield, Iowa
Richard David Hughes.....Minister, Cotter, Iowa
Martha Antoinette Jacobson.....Teacher, St. Paul, Minn.
Henrietta Cecelia Lundstrom.....Teacher, Morris, Minn.
Rose Amelia Metzger-Nutt.....Sidney, Mont.
David McMartin.....Minister, Leadville, Colo.
Rhoda Catherine MacKenzie.....Teacher, Fruitvale, Cal.
Richard Samuel Nutt.....Bank Cashier, Sidney, Mont.
Ole Johnson Oie....President Theo. School, Christiania, Norway
William Fred Pottsmith.....Minister, Ellsworth, Wash.
Mary Pauline Payne-Healy.....Mapleton, Minn.
Minerva Schlichting.....Deceased
Ruth Adelia Sherrill.....Teacher, Morgan, Minn.
Mary Helen Smith-Jones.....St. Paul, Minn.
George Hill Smith.....Business, Excelsior, Minn.

Class of 1908

George Kemp Aiken.....Editor, Roslyn, Wash.
Hanna Sophia Berg.....Teacher, Nymore, Minn.
Ralph Brinks.....Principal, Wimbledon, N. D.
Richard Stanley Brown.....Minister, Fairgrove, Mich.
Edith Frederica Cale.....Deceased
Clifford Clement Cornwell.....Minister, Sherman, N. Y.

Evan Milton Evans.....Newfolden, Minn.
Rosella Evans.....Le Sueur, Minn.
James Todd Guy.....Lawyer, Milwaukee, Wis.
Mary Elizabeth Guy-Wallace.....Zumbrota, Minn.
Walter Mell Hobart.....Business, Minneapolis, Minn.
Lucy Ma Belle Hyslop-Flinn.....Redwood Falls, Minn.
Nina Foy Johnson-Wallace.....Harrison, Ark.
Margaret Edith Lakey-McDonald.....Walhalla, N. D.
Peter McEwen.....Minister, Earl Park, Ill.
Luke Edward Marvin.....Eveleth, Minn.
Martha Bessy Olson-Bromley.....Cosmopolis, Wash.
Stanley Hall Roberts.....Minister, Eden Prairie, Minn.
Lydia Anna Schroedel-Hobart.....Minneapolis, Minn.
Clarence Mason Stearns.....Business, St. Paul, Minn.
Robert Sinclair Wallace.....U. S. Forest Service, Harrison, Ark.

Class of 1909

Emma Bertelle Barker.....Teacher, Slayton, Minn.
Lucas H. Brinks.....Principal, Flandrau, S. D.
Albert Daniel Davies.....Business, Minneapolis, Minn.
David Roy Jones.....Minister, Carlinville, Ill.
Lulu Lane Piper-Aiken.....Roslyn, Wash.

Class of 1910

George Samuel Barclay Acheson.....
Teacher, Protestant College, Beirut, Syria
William Jefferson Bell.....Minister, Virginia, Minn.
Joseph Vaclav Beran.....Hibbing, Minn.
Charles Taylor Burnley.....St. Paul, Minn.
Edward John Carson.....Conrad, Iowa
John Andrew Evert.....Physician, Brainerd, Minn.
June Rose Evert-Lanterman.....Mandan, N. D.
Albert Howard Gammons.....Minister, Sutherlin, Ore.
Jesse Willis Hamblin.....Minister, Cass City, Mich.
Stanley Hurlbut Hodgman.....Elk River, Idaho
William Andrew Horne.....Minister, Rolla, N. D.
Helen Mary Hunt-Bell.....Virginia, Minn.
Edward Henry Joesting.....St. Paul, Minn.
John Archibald McEwen.....Minister, Hannaford, N. D.

Sarah Grace McMartin-Carson.....Grand Rapids, Minn.
Pearl Alma Nash.....Teacher, Pipestone, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Minnie Mae Pierson.....Minnewaukan, N. D.
Mary Elsie Raymond-Muhr.....Eugene, Ore.
Gladys Isabelle Roberts.....Minneapolis, Minn.
Jeannette Paulina Sawyer-Guild.....St. Paul, Minn.
Frederick Samuel Shimian.....Minister, Wallowa, Ore.
Elmer Stuart Smith.....South St. Paul, Minn.
Elizabeth Libby Staples.....St. Paul, Minn.
Vernon Elliott Stenerson.....Law Student, Minneapolis, Minn.
Anna Elizabeth Taylor.....Teacher, Faribault, Minn.
Norman Kendall Tully.....Theological Student, Chicago, Ill.
Ruth Minerva von Dorn-Gammons.....Sutherlin, Ore.
June Adelia Woodward.....Teacher, Slayton, Minn.

Class of 1911

William Ernest Baskerville.....Business, Elk, Wash.
Charles Bremicker..Professor, Macalester College, St. Paul, Minn.
Allan Hill Brown.....Theological Student, Chicago, Ill.
Homer Clyde Cardle.....Business, Winnipeg, Can.
Fred F. Carson.....Teacher, Grand Rapids, Minn.
Janet Isabella Dodds.....Teacher, Gibbon, Minn.
Donald Smith Doty.....Attorney, St. Paul, Minn.
Effie Miranda Ellison-Miner.....Winters, Cal.
Hulda Olivia Ellison.....La Moure, N. D.
Oscar Melvin Ellison.....Business, La Moure, N. D.
Marjory Lucy Hanson.....Teacher, Corvallis, Ore.
Bayard William Heed.....Teacher, St. Paul, Minn.
Arthur Billings Hunt.....St. Paul, Minn.
Ernest Wilburt Johnson.....Teacher, Larimore, N. D.
Ina Elizabeth Lindsley.....Marshall, Minn.
Anna Mae Little-Johnson.....Larimore, N. D.
Luella Irene Murphy-Dickinson.....Pierpont, S. D.
William Earls Noyes.....Teacher, Flandrau, S. D.
Adelaide Wadsworth Payne.....Teacher, Cambridge, Minn.
Russell Stephen Peterson.....Teacher, Kekaunee, Wis.
Leland William Porter.....Minister, Fargo, N. D.
Edna Francis White-Becker.....Amboy, Minn.

Class of 1912

Anna Elizabeth Anderson-Carson.....Conrad, Iowa
Dorothy Elizabeth Baumgart.....Teacher, Austin, Minn.
Clara Berdan.....Teacher, Mora, Minn.
James Brinks.....Business, Zillah, Wash.
Orville Clifton Cardle.....Business, Seattle, Wash.
Bessie Florence Clark.....Teacher, Mapleton, Minn.
Mabel Emma Cosgrove.....Teacher, Pipestone, Minn.
Elva May Davis.....Teacher, Kenyon, Minn.
Louise Lombard Davison.Teacher, State Normal, Madison, S. D.
Jessie Ellen Fisher-Thomas.....Omaha, Neb.
Clarence Oscar Graue.....Brimson, Minn.
Lilah Agnes Holden.....Teacher, Hudson, Wis.
Florence Hunt.....Teacher, St. Paul, Minn.
Earl Duane Jenckes.....Tribune, Minneapolis, Minn.
Clarence Eugene Johnson.....Wayland, Minn.
Marion Burdick Jones.....Teacher, Sanborn, Minn.
Ruth Anna McKinlay.....Teacher, Medford, Minn.
Clarice Audrey Miller.....Teacher, Preston, Minn.
Pearl Margueritte Palmer.....Madison, S. D.
John Gottfried Schmidt.....Teacher, Ashland, Neb.
William Ellison Scott.....Teacher, Kasson, Minn.
Ella A. Stearns.....Teacher, McIntosh, Minn.
Edna Alda Stewart.....Teacher, Rushford, Minn.
Cassie Marie Stoddart.....Teacher, Alexandria, S. D.
Oakley Russell Tripp.....Y. M. C. A., Minneapolis, Minn.
Oscar Westerlund.....Theological Student, Rochester, N. Y.
Muriel Faye Wheeler.....Teacher, Zumbrota, Minn.
Harry Merrium Willmert.....Business, Blue Earth, Minn.
Ralph Calvin Wilson.....Teacher, Luverne, Minn.

Class of 1913

Enoch Newman Bengtson.....Rush City, Minn.
Ragna Leonora Bye.....Teacher, Harvey, N. D.
Lenna May Campbell.....Teacher, Hannah, N. D.
Wilfrid Gladstone Campbell.....Superior, Wis.
Paul Ephraim Carlson.....Teacher, Waverly, Minn.
Mary Genevieve Carver.....Luverne, Minn.
George Oliver Chase.....Teacher, Fairdale, N. D.
Leonard Alvin Clark.....Eden Prairie, Minn.

Mary Bernice Clark..... Teacher, Claremont, Minn.
Emma Joy Frederick.....Teacher, Renville, Minn.
William Henry Wallace Holley, Student, U. of M., Minneapolis, Minn.
Berenice Antoinette Kellogg.....Teacher, Mora, Minn.
Robert Lloyd Lang.....Mapleton, Minn.
Del Leslie Laughlin.....Teacher, Lisbon, N. D.
Grace Eloise McClure.....Teacher, Morris, Minn.
Elmer Shepard MacCourt..Student, U. of M., St. Paul, Minn.
Joseph Robert Neller.....Teacher, Osakis, Minn.
Florence Amelia Otis.....Teacher, Mount Hope, Wis.
Norton Walter Peet.....Wolverton, Minn.
William Conkey Phillips.....Teacher, Eau Claire, Wis.
Edith Beatrice Pierson.....Teacher, Chimayo, N. M.
Ruth Lynn Porter.....Teacher, Clark, S. D.
Adeline Marie Rosebrock..... Teacher, Owatonna, Minn.
Mabel Josephine Scott.....Dawson, Minn.
Ray Simons.....Teacher, Flandreau, S. D.
James Merton Snyder.....Teacher, Gibson, Iowa
Marie Ellen Thomas.....Minneapolis, Minn.
Katie Lillian White.....Teacher, Franklin, Minn.
Vera May Zimbeck.....Teacher, Monticello, Minn.

Alumni of the School of Music

Class of 1900

Mrs. Maud Taylor-Hansen, piano.....Minneapolis, Minn.

Class of 1901

Millicent Viola Mahlum-Kelts, piano .....Newton, Kan.

Class of 1905

Grace Taylor, voice.....
Mrs. W. H. Amos, piano.....Ida Grove, Iowa

Class of 1906

Carmen Mahlum, voice.....Brainerd, Minn.
Pearl Neeb, voice.....Lewiston, Minn.
Charrie Roberton, voice.....Rushford, Minn.
Mildred Gretchen Phillips-Kindy, piano.....St. Paul, Minn.
Paul H. Th. Rusterholz, voice.....Red Wing, Minn.

Class of 1907

Gyda Hansen, voice.....St. Paul, Minn.
Richard U. Jones, voice.....St. Paul, Minn.

Class of 1908

Ethel Erckenbrack-Funk, voice.....Minneapolis, Minn.
Ada Nash, piano.....Pipestone, Minn.
Gladys Neff, piano.....Neillsville, Wis.
Minnie Tullar, piano and voice.....Warren, Minn.
Clara Odenwald, voice.....Jordan, Minn.

Class of 1909

Lorraine Vern Miller, piano.....La Moure, N. D.
Rhea Le Pierre Rocheleau, piano.....Ocean Park, Cal.
Anna May Woodworth, piano.....Carlton, Minn.

Class of 1910

Ardelia Bisbee, piano.....Madelia, Minn.
Mildred C. Corliss, piano.....Grand Forks, N. D.
Ada Dahlgren, voice.....Fergus Falls, Minn.
Lillian Hall, voice.....Minnewaukan, N. D.
Estelle Spayde, voice.....Rapid City, S. D.

Class of 1911

Charlotte Burlington, piano.....Bolivar, N. Y.
Elva May Davis, voice.....Madison, S. D.
Katherine Gamble, voice.....Wayne, Neb.
Myrtha Marie Gunderson, piano.....St. Paul, Minn.
Ethel Haggard-Stewart, piano.....St. Paul, Minn.
Stella Wilhelmina Heger, voice.....St. Paul, Minn.

Class of 1912

Mary Genevieve Carver.....Luverne, Minn.
Ethel Wilcox.....Mankato, Minn.
Lottie M. Olson.....Argyle, Minn.
Alice R. Olson.....Fargo, N. D.
Louise Appel.....Springfield, Minn.
Erna Appel.....Springfield, Minn.

Class of 1913

Harriet Martha Caldwell.....St. Paul, Minn.
Constance Pearl Johnson.....St. Paul, Minn.
Alice Elvira Larson.....Alexandria, Minn.
Geneva Samson.....St. Paul, Minn.
Ethel May Stewart.....St. Paul, Minn.
Stella Alice Tuttle.....Hastings, Minn.
Margaret Jane Williams.....Minneapolis, Minn.
Gladys Ruth Ziesemer.....St. Paul, Minn.

Roll of Students
College

Senior Class

Carrie Ellen Alvord.....Washburn, Wis.
Richard Harlow Anderson.....Donnelly, Minn.
Wallace Jay Anderson.....Eden Prairie, Minn.
Harold Harvey Baldwin.....Milnor, N. D.
Hosea Greenwood Bosley.....St. Paul, Minn.
Arthur George Brown.....Eden Prairie, Minn.
Truman Dean Brown.....Eden Prairie, Minn.
Margaret Buckbee.....Minneapolis, Minn.
Wilfrid Gladstone Campbell.....Superior, Wis.
Lulu Ellen Carey.....Duluth, Minn.
Howard Edward Clark.....Eden Prairie, Minn.
Margaret MacGregor Doty.....St. Paul, Minn.
Leslie Lisle Druley.....St. Paul, Minn.
Vera Margery Dunlap.....St. Paul, Minn.
Lloyd Gilmore.....Hope, N. D.

John Leslie Harvey.....St. Paul, Minn.
Alice Louise Lindsley.....Marshall, Minn.
Bessie Elizabeth Lovell.....Amboy, Minn.
Mable Mohr.....Buffalo, N. D.
Esther Neller.....Austin, Minn.
Evelyn Pickthorn.....Brown's Valley, Minn.
Helen Maria Prosser.....Duluth, Minn.
Harold Percy Roberts.....Minneapolis, Minn.
Gertrude Gray Smith.....St. Paul, Minn.
Ole F. Strand.....Towner, N. D.
Helen Antonia Stratte.....Dawson, Minn.
Selma Ovidia Stratte.....Dawson, Minn.
Florence Adell Switzer.....Two Harbors, Minn.
Charles Albert Thomas.....Winona, Minn.
Elmer Wilcox Trolander.....Alborn, Minn.
Della Ann Trotter.....Dawson, Minn.

Junior Class

Clark Albin Abrahamson.....Towner, N. D.
Paul Benjamin Bremicker.....St. Paul, Minn.
Olive Margaret Brown.....Pipestone, Minn.
Mary Reid Cardle.....Blue Earth, Minn.
Etta Marie Cinclair.....Minneapolis, Minn.
Charles Edward Clark.....Blue Earth, Minn.
Edward Maurice Clark.....Eden Prairie, Minn.
Gerald Curtis Dale.....St. Paul, Minn.
Margaret Defiel.....St. Paul, Minn.
Josephine Dixon.....Warren, Minn.
Eunice Geer Finch.....Slayton, Minn.
Alice Julia Flinn.....St. Paul, Minn.
Edith Almeda Haigh.....St. Paul, Minn.
Hillard Herman Holm.....Carver, Minn.
Edward Everett McCabe.....St. Paul, Minn.
Erwin Herbert Metag.....Morgan, Minn.
Emily Helen Payne.....St. Paul, Minn.
Madge Porter.....Madison, S. D.
Frieda Jeannette Radusch.....St. Paul Park, Minn.
Plato Earl Sargent.....Redlands, Cal.
Herbert Harrison Sell.....Cloquet, Minn.

Ruth Virden Slagg.....Pipestone, Minn.
Henry Frank Softley.....Colchester, England
Olga Constantine Terzieff.....St. Paul, Minn.
Gwendolyn Bromley Williams.....Duluth, Minn.
Bert Benjamin Willmert.....Blue Earth, Minn.
Dorothy Lee Womack.....Minneapolis, Minn.

Sophomore Class

Albert Christopher Barbo.....Deronda, Wis.
Adalbert Ferdinand Bremicker.....St. Paul, Minn.
Lucia Rebecka Brown.....St. Paul, Minn.
Beryl Alberta Brownlee.....Blue Earth, Minn.
Gordon Lyman Brownlee.....Blue Earth, Minn.
Harriet Martha Caldwell.....St. Paul, Minn.
Ellen Mary Chase.....Minneapolis, Minn.
George Rowland Collins.....Rugby, N. D.
Luella Clara Conley.....Williston, N. D.
Marguerite Edna Cottrell.....Luverne, Minn.
Francis Marion Dana.....St. Paul, Minn.
Marie Eleanor de Booy.....Elk River, Minn.
Margaret Douglass Downing.....St. Paul, Minn.
Gwendolyn Lotimer Eastman.....St. Paul, Minn.
Wilfred Robert Frank.....Minneapolis, Minn.
Emanuel Ossian Franklin.....Pennock, Minn.
Wilbur A. Gardner.....Minneapolis, Minn.
Donna Louise Geddes.....St. Paul, Minn.
William Taber Greig.....St. Paul, Minn.
Helen Charlotte Gullikson.....Blue Earth, Minn.
Vergil Homer Guthrie.....Newton, Iowa
Frank Edward Hall.....Little Falls, Minn.
Arthur Bristow Hood.....Rapid City, S. D.
Howard Huelster.....St. Paul, Minn.
Vincent Raymond Hunt.....Bricelyn, Minn.
Constance Darling Hunter.....Langdon, N. D.
Bertha Mamie Hurr.....Shakopee, Minn.
Gordon Lewis Keeley.....Hudson, Wis.
Christopher Leo Kenny.....St. Paul, Minn.
Fred Joseph Kenny.....St. Paul, Minn.
Catharine Deaver Lealtad.....St. Paul, Minn.

David Nathaniel Ling.....Kerkhoven, Minn.
Lillian Beatrice Luckert.....St. Paul, Minn.
Harriet J. McAllister.....Slayton, Minn.
John Thomas McCallum.....St. Paul, Minn.
Jessie Elizabeth McClure.....Litchfield, Minn.
Emily Lois McConkey.....Brewster, Minn.
Mabel Griffiths Montgomery.....Oriska, N. D.
Le Roy Nielson.....Milwaukee, Wis.
Andrew Hilmer Norum.....Mora, Minn.
John Samuel Nyquist.....Cokato, Minn.
Adolf Olson.....St. Paul, Minn.
Sadie Louise Porter.....Dassel, Minn.
Howard Johnson Rankin.....St. Paul, Minn.
Walter Nelson Rowley.....St. Paul, Minn.
Elsie Mable Salisbury.....Montevideo, Minn.
Zylpha Lauretta Sharpe.....St. Paul, Minn.
John Lyman Sheean.....Cloquet, Minn.
Helen Stanley.....Minneapolis, Minn.
Alice Emma Stearns.....Jasper, Minn.
William McIntyre Stronach.....Delhi, Minn.
Fay Lex Taylor.....Berwick, N. D.
Vera Marie Utter.....St. Paul, Minn.
William Liston Walker.....Stephen, Minn.
Irving Howard Williams.....Minneapolis, Minn.

Freshman Class

Arthur Glenn Adams.....Minneapolis, Minn.
Effie Alice Adams.....Luverne, Minn.
Wylie Gustave Akenson.....St. Paul, Minn.
Oscar Altnow.....Arlington, Minn.
Arthur John Anderson.....Kerkhoven, Minn.
Frank Moore Angell.....St. Paul, Minn.
Romayne Lyon Backus.....St. Paul, Minn.
Robert Pilling Bayard.....St. Paul, Minn.
Dorothy Trafton Bell.....St. Paul, Minn.
Harry Emanuel Bjorklund.....North Branch, Minn.
Ruth Mary Bowden.....Minneapolis, Minn.
Lucille Woods Boyeson.....St. Paul, Minn.
Paul Briggs.....St. Paul, Minn.

Frank Brink.....Minneapolis, Minn.
John Brinks.....Princeton, Minn.
Kathryn Buckbee.....Minneapolis, Minn.
Earl Burwell.....Hastings, Minn.
John Burwell.....Hastings, Minn.
Howard Eugene Cammack.....St. Paul, Minn.
Ellen McRae Campbell.....St. Paul, Minn.
Henry Wheeler Chase.....Minneapolis, Minn.
Edna Chisholm.....Langdon, N. D.
Michael Jeda Cohler.....St. Paul, Minn.
Neal Dow Crawford.....Luverne, Minn.
Rudolph L. Crook.....St. Paul, Minn.
Lajla Marie Dale.....St. Paul, Minn.
Gladys Somers Dallimore.....St. Paul, Minn.
Donald Dampier.....St. Paul, Minn.
Walfred Danielson.....St. Paul, Minn.
Katharine Currie Davies.....St. Paul, Minn.
Herbert Emil Dierenfield.....Fairfax, S. D.
Paul Bartlett Dix.....Minneapolis, Minn.
Dorothy Dornberg.....Austin, Minn.
Beth Lucretia Draper.....Mandan, N. D.
Paul Henry Dunnavan.....St. Paul, Minn.
Donald Cornish Elder.....De Witt, Iowa
Ernest Ellis.....Harlem, Mont.
George William Ellis.....St. Paul, Minn.
Alice Muriel Everts.....Ashby, Minn.
Albert C. Feaman.....Sparta, Ill.
James Alfred Ferguson.....Minneapolis, Minn.
Albert Edward Flagstad.....Minneapolis, Minn.
Donald Pinkerton Fuller.....Cumberland, Wis.
Charles Gerlinger.....Spur, Minn.
Wallace Graydon Gibson.....Hudson, Wis.
Margaret Gilpin.....Duluth, Minn.
Arthur John Gloege.....Bellingham, Minn.
James Harker Gordon.....Little Falls, Minn.
Ralph Daniel Gracie.....Bemidji, Minn.
Margaret Graham.....St. Paul, Minn.
Robert B. Gray.....Minneapolis, Minn.
John Ebenezer Greig.....Estherville, Iowa
Margaret Griffith.....Minneapolis, Minn.

Harold James Hammond.....St. Paul, Minn.
Harold Frederick Hanson.....St. Paul, Minn.
William Arthur Hanson.....Rochester, Minn.
Esther Vivian Haugen.....Pelican Rapids, Minn.
Henry Richard Hawkinson.....Center City, Minn.
Fuku Hayashi.....Japan
Pauline Hayes.....St. Paul, Minn.
Hazel Georgia Haywood.....Osakis, Minn.
Milton Boyce Hebeisen.....Carver, Minn.
James Kydd Hilyard.....St. Paul, Minn.
Grace Elizabeth Hiveley.....Flandreau, S. D.
Harold Emery Hocum.....Minneapolis, Minn.
Hazel Evelyn Holt.....Rochester, Minn.
Ethelwyn Annette Hopkins.....Mankato, Minn.
Isabelle Howard.....Minneapolis, Minn.
Edna Louise Hubbell.....St. Paul, Minn.
Floyd Dennis Hynes.....Carlton, Minn.
Rohland Andrew Isker.....Kenyon, Minn.
Frances Jechlinger.....St. Paul, Minn.
Ralston Jerrard.....St. Paul, Minn.
Arthur C. Johnson.....Minneapolis, Minn.
Donald Lee Johnson.....St. Paul, Minn.
Edward Ludwig Johnson.....St. Paul, Minn.
Oscar Henry Johnson.....Minneapolis, Minn.
William Watson Kane.....St. Paul, Minn.
Robert W. Kavel.....Minneapolis, Minn.
Marie Eulalia Kelly.....St. Paul, Minn.
Charles Stanley Knott.....Spur, Minn.
Alfred Smith Knowlton.....White Bear, Minn.
Rose Krakauer.....St. Paul, Minn.
Ormond Eugene Laird.....Minneapolis, Minn.
Thomas Kees Laird.....Oakland, Minn.
Raymond Horace Landon.....Minneapolis, Minn.
Carl Reuben Leaf.....St. Paul, Minn.
Jack Blythin Le Claire.....Mankato, Minn.
John Arthur Lewis.....St. Paul, Minn.
Homer Dorr Lindgren.....Adrian, Minn.
Agnes A. Linngren.....Strandsburg, S. D.
Thomas Seward Lovering.....St. Paul, Minn.
Agnes Louise Lund.....Dawson, Minn.

Grace McAlmon.....Minneapolis, Minn.
Ethel Marie McClure.....Litchfield, Minn.
Robbin Gray McCord.....Minneapolis, Minn.
Le Roy Martin McManus.....Frazee, Minn.
Howard Hope McNiven.....Langdon, N. D.
Laura Christine McVicar.....Princeton, Minn.
Frances Lois Marvin.....Duluth, Minn.
Swan William Mattson.....Kensington, Minn.
Loren Dewitt Meade.....North St. Paul, Minn.
Anna Seraphina Nelson.....Mora, Minn.
Oscar Frederick Nordon.....St. Paul, Minn.
Ernest Gustav Norstrom.....Minneapolis, Minn.
Elizabeth Edith Odell.....St. Paul, Minn.
Conrad Olson.....St. Paul, Minn.
Iva Hortense Olson.....Cloquet, Minn.
Evelyn Bradbury Page.....White Bear, Minn.
Charles Curtis Parsons.....St. Paul, Minn.
Ralph Arthur Peterson.....Minneapolis, Minn.
Roy Albert Pieper.....St. Paul, Minn.
John Bowman Platt.....St. Paul, Minn.
Earl De Witt Prudden.....St. Paul, Minn.
Carlton Edmund Ralph.....St. Paul, Minn.
Mary Lois Reid.....St. Paul, Minn.
Joseph Rhoads.....South St. Paul, Minn.
Allen John Robertson.....Rochester, Minn.
Rebecca Faythe Roisner.....St. Paul, Minn.
Thomas A. Rother.....Winona, Minn.
Margaret Rutherford.....Mora, Minn.
Mary Eleanor Rutherford.....Mora, Minn.
Mildred Rutherford.....Mora, Minn.
Nathan Shapira.....St. Paul, Minn.
Gertrude Simons.....Virginia, Minn.
Oscar Bernard Sletteland.....Pigeon Falls, Wis.
Adam Moffat Smith.....Minneapolis, Minn.
Carolyn Elizabeth Smith.....St. Paul, Minn.
Ralph Leon Polk Smith.....St. Paul, Minn.
Willard L. Smith.....St. Paul, Minn.
Cora Beatrice Solberg.....Montevideo, Minn.
Margaret Sortor.....Minneapolis, Minn.
Minnie Olina Stone.....Dassel, Minn.

Fremont David Taylor.....Aitkin, Minn.
James Allan Torbet.....Devils Lake, N. D.
Nora Gamanda Viker.....Halstad, Minn.
Anna Marie Wagner.....St. Paul, Minn.
Earl Almont Walker.....Devils Lake, N. D.
Miriam Winifred Wallace.....St. Paul, Minn.
Ada Elmira White.....Spooner, Wis.
Lucille Anna Wilkerson.....St. Paul, Minn.
Margaret Jane Williams.....Minneapolis, Minn.
Clarence Charles Willmert.....Blue Earth, Minn.
Douglas Wolff.....Kimball, Minn.
George Fred Ziesemer.....St. Paul, Minn.

Special Students

Jean Adie.....St. Paul, Minn.
Evelyn Dennis.....Enderlin, N. D.
Malinda Marie Emma Engler.....Lester Prairie, Minn.
Adah Fifield.....Preston, Minn.
Amy Jane Kingston.....Armstrong, Iowa
Harriet Dorothy Koopman.....St. Paul, Minn.
Lily Isabel Lewis.....St. Paul, Minn.
Grace Evangeline Olen.....St. Paul, Minn.
Lois Mildred Rath.....Mankato, Minn.
Hazel Louise Roche.....Farmington, Minn.
Evelyn Mary Rumble.....St. Paul, Minn.
Esther Alta Schumann.....Rugby, N. D.
Margaret Alice Sharpless.....Fergus Falls, Minn.
Ingabor Mildred Skauge.....Brainerd, Minn.
Daniel T. Thomassian.....Iconium, Asia Minor
Clarence John Vokoun.....St. Paul, Minn.
Amelia Esther Wolf.....Nerstrand, Minn.
Vernie Henrietta Wolfsberg.....St. Paul, Minn.

Baldwin School

Senior Class

Alta Marian Bean.....Minneapolis, Minn.
Henrietta Brawley.....St. Paul, Minn.
Leona Allene Clark.....St. Paul, Minn.
Frances Dunning.....St. Paul, Minn.

Erling Eriksen.....Two Harbors, Minn.
James Wentworth Freeman.....St. Paul, Minn.
Laura Ella Griffith.....St. Paul, Minn.
Lucile Janet Harrison.....St. Paul, Minn.
Mary Hitchcox.....St. Paul, Minn.
Frank Orville Holmes.....St. Paul, Minn.
George Arthur Jensen.....Glenwood, Minn.
Thomas Lane.....St. Paul, Minn.
Ernest Lindahl.....Minneapolis, Minn.
Thomas Seward Lovering.....St. Paul, Minn.
Gregory Medcalf.....St. Paul, Minn.
Ruth Ludlow Moore.....Minneapolis, Minn.
Margaret Thompson Walters.....St. Paul, Minn.

Junior Class

Earle R. Ballard.....St. Paul, Minn.
Richard Rea Bennett.....St. Paul, Minn.
Earnest Clarence Daley.....St. Paul, Minn.
Edith Henrietta Cesander.....St. Paul, Minn.
John Louis Ferry.....Kisbey, Sask.
Conrad Sweet Francis.....Ponca, Neb.
Clarence Andrew Gilbert.....Duluth, Minn.
Wallace Sumner Hall.....St. Paul, Minn.
Alice Hause.....Mendota, Minn.
Myrtle Hultquist.....Coweta, Okla.
Irvin Adin Lowry.....Oakland, Minn.
Andrew McKinley.....St. Paul, Minn.
Helen Willina McRae.....St. Paul, Minn.
Grace Noyes.....Freewater, Ore.
Ruth Cleone Parsons.....St. Paul, Minn.
Alfred Melvin Peterson.....Richville, Minn.
Alice Burgoyne Spencer.....St. Paul, Minn.
Arnold John Swanson.....Moose Lake, Minn.
Byron Wade Van Ness.....Minneapolis, Minn.
Thomas Edward Waddelow.....Fairfield, Ill.
Fred Augustus Waterous.....St. Paul, Minn.
Fridolf Lawrence Westholm.....Moose Lake, Minn.
Paul John Youngberg.....St. Paul, Minn.

Sophomore Class

Mary Pittinger Blakeslee.....St. Paul, Minn.
Victor Stephen Boult.....Minneapolis, Minn.
Gladys Grace Carlson.....St. Paul, Minn.
Franklin Grant Christenson.....St. Paul, Minn.
Florence Anna Defiel.....St. Paul, Minn.
Muriel Emily Carr Eastman.....St. Paul, Minn.
Alonson Ray Eckerson.....Great Bend, Kan.
Martha Gray Freeman.....St. Paul, Minn.
Victor Karl Funk.....St. Paul, Minn.
James Ashmore Harris.....St. Paul, Minn.
Helen Gertrude Kearns.....St. Paul, Minn.
Willard Earl Kinzle.....Minneapolis, Minn.
Margaret McLeod.....St. Paul, Minn.
Robert Hugh Owen.....Minneapolis, Minn.
George Douglas Reed.....St. Paul, Minn.
Ada Rose Stalker.....Duluth, Minn.
Lewis James Symonds.....Wendell, Minn.
Frank Edmund Trolander.....Alborn, Minn.
Ada Berneta Williams.....Wheaton, Minn.

Special Students

Maude Lenor Aarrestad.....Cottonwood, Minn.
Alton Bard Cowin.....Minneapolis, Minn.
Marguerite Henriette Dunham.....St. Paul, Minn.
William Eberlein.....Bemidji, Minn.
Pearl Lucretia Fox.....Comfrey, Minn.
Earle Allen Hadley.....Stanley, Wis.
Bonnie Hanson.....St. Paul, Minn.
Arthur Ernest Napier.....South Park, Minn.
Lucinda Pearl Powers.....Barrett, Minn.
Wilma Gertrude Stevens.....St. Paul, Minn.
Roy Stougaard.....St. Paul, Minn.
Clarence John Vokoun.....St. Paul, Minn.
Albert Edward Wardle.....Sandstone, Minn.
Harry E. Weinberg.....Duluth, Minn.

Conservatory of Music

Maude Aarrestad	Cottonwood, Minn.
Jean Adie	St. Paul, Minn.
Esther Anderson	St. Paul, Minn.
Adelaide Aronson	St. Paul, Minn.
Otto Austin	St. Paul, Minn.
Stella Bambery	St. Paul, Minn.
Harry Bill	St. Paul, Minn.
Ella Blackmore	St. Paul, Minn.
Linwood Boucher	St. Paul, Minn.
Marian Buckley	St. Paul, Minn.
Ida Bulle	St. Paul, Minn.
Charlotte Burlington	St. Paul, Minn.
Harriet Caldwell	St. Paul, Minn.
Edna Chisholm	St. Paul, Minn.
Etta Cinclair	Langdon, N. D.
Alton Cowin	Minneapolis, Minn.
Lajla Dale	Minneapolis, Minn.
Florence Defiel	St. Paul, Minn.
Evelyn Dennis	St. Paul, Minn.
Kordelia Donea	Enderlin, N. D.
Theodora Donea	St. Paul, Minn.
Margaret Downing	St. Paul, Minn.
Marguerite Dunham	St. Paul, Minn.
William Eberlein	St. Paul, Minn.
Theresa Elfenbein	Bemidji, Minn.
Lucille Emrich	St. Paul, Minn.
Malinda Engler	St. Paul, Minn.
Olga Evanson	Lester Prairie, Minn.
Helen Ferguson	St. Paul, Minn.
Adah Fifield	St. Paul, Minn.
Mrs. M. W. Fitzgerald	Preston, Minn.
Pearl Fox	St. Paul, Minn.
Gordon Garrow	Comfrey, Minn.
Frances Gigrich	St. Paul, Minn.
Helen Gullikson	St. Paul, Minn.
Wallace Hall	Blue Earth, Minn.
Esther Haugen	St. Paul, Minn.
Fuku Hayashi	Pelican Rapids, Minn.
Delpha Henton	Japan
	St. Paul, Minn.

Alice Holen.....Stillwater, Minn.
Margaret Horn.....St. Paul, Minn.
Mrs. Harry Hulse.....St. Paul, Minn.
Edward Johnson.....St. Paul, Minn.
Pearl Johnson.....St. Paul, Minn.
Catherine Jones.....Hankinson, N. D.
Helen Kearns.....St. Paul, Minn.
Frances Kinney.....St. Paul, Minn.
J. Albert Kerr.....St. Paul, Minn.
Amy Kingston.....Armstrong, Iowa
Anna Knudson.....Spicer, Minn.
Harriet Koopman.....St. Paul, Minn.
Helen Kullberg.....St. Paul, Minn.
Thomas Laird.....Oakland, Minn.
Carl Lehmann.....St. Paul, Minn.
Ernest Leigl.....Minneapolis, Minn.
Bessie Lovell.....Amboy, Minn.
Edward McCabe.....St. Paul, Minn.
Jessie McClure.....Litchfield, Minn.
Emily McConkey.....Brewster, Minn.
Josephine McCormack.....St. Paul, Minn.
Winthrop MacCourt.....St. Paul, Minn.
Helen McRae.....St. Paul, Minn.
Elliott Magraw.....St. Paul, Minn.
Sadie Miller.....St. Paul, Minn.
Albina Minar.....Browerville, Minn.
Frank Minar.....Browerville, Minn.
Mable Mohr.....Buffalo, N. D.
Ruth Moore.....Minneapolis, Minn.
Margaret Mount.....St. Paul, Minn.
Mary Doris Nethway.....St. Paul, Minn.
Frieda Nicolin.....St. Paul, Minn.
Magdalen Nicolin.....St. Paul, Minn.
Grace Olen.....St. Paul, Minn.
Ada Opheim.....St. Paul, Minn.
Malcolm Pearson.....St. Paul, Minn.
Wyllene Pearson.....St. Paul, Minn.
Madge Porter.....Madison, S. D.
Helen Prosser.....Duluth, Minn.
Lois Rath.....Mankato, Minn.

Mrs. T. F. Ray.....St. Paul, Minn.
Mabel R. Reed.....St. Paul, Minn.
Hazel Roche.....Farmington, Minn.
Rebecca Roisner.....St. Paul, Minn.
Evelyn Rumble.....St. Paul, Minn.
Blanche Runyon.....St. Paul, Minn.
Geneva Samson.....St. Paul, Minn.
Sunshine Schulenburg.....St. Paul, Minn.
Mildred Schultz.....St. Paul, Minn.
Esther Schumann.....Rugby, N. D.
Helen Schutte.....St. Paul, Minn.
Olive Scott.....Stillwater, Minn.
Margaret Sharpless.....Fergus Falls, Minn.
Doris Sischo.....St. Paul, Minn.
Phoebe Sischo.....St. Paul, Minn.
Mildred Skauge.....Brainerd, Minn.
Edwin Sonntag.....St. Paul, Minn.
Ruth Spater.....St. Paul, Minn.
George Spencer.....St. Paul, Minn.
Fred Standish.....St. Paul, Minn.
Wilma Stevens.....St. Paul, Minn.
Ethel Tamborino.....St. Paul, Minn.
C. A. Thomas.....Winona, Minn.
Daniel Thomassian.....Iconium, Asia Minor
Nora Viker.....Halstad, Minn.
Clarence Vokoun.....St. Paul, Minn.
Anna Von de Linde.....St. Paul, Minn.
Maud Wanzer.....Charleston, W. Va.
Margaret Williams.....Minneapolis, Minn.
Rachel Williams.....St. Paul, Minn.
Helen Wold.....Minneapolis, Minn.
Amelia Wolf.....Nerstrand, Minn.
Vernie Wolfsberg.....St. Paul, Minn.

Summary of Students

College	276
Baldwin School	73
Conservatory of Music	112
Total	461
Counted Twice	62
Net, Total	399

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THE RANDALL COMPANY, SAINT PAUL

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OF THE
UNIVERSITY OF ILL
25 MAY 1915

Macalester College Bulletin

Catalog Number
April, 1915

Volume III, New Series Number 3

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OF THE
UNIVERSITY OF ILLINOIS
25 MAY 1915

Catalog

Macalester College

1914 - 1915

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under act of congress July 16, 1894.

Issued Quarterly in October, January, April and June.

College Calendar

1915-1916

1915

June 4. Friday, 8:15 p. m., Commencement, Baldwin School.
June 5. Saturday, 8:15 p. m., Senior Class Play.
June 6. Sunday, 10:30 a. m., Baccalaureate Sermon.
June 6. Sunday, 8:00 p. m., Alumni and Christian Associations' Sermon.
June 7. Monday, 8:15 p. m., Senior Class Play.
June 8. Tuesday, 10:00 a. m., Class Day Exercises.
June 8. Tuesday, 1:30 p. m., Annual Meeting of Board of Trustees.
June 8. Tuesday, 2:30 p. m., Recital, School of Music.
June 8. Tuesday, 7:00 p. m., Alumni Banquet.
June 9. Wednesday, 10:00 a. m., Twenty-sixth Annual Commencement.
June 9. Wednesday, 8:00 p. m., President's Reception.
Sept. 13-15. Monday-Wednesday, Registration Days.
Sept. 15. Wednesday, 10:30 a. m., First Semester begins.
Nov. 25-26. Thursday-Friday, Thanksgiving Recess.
Dec. 22. Wednesday, 4:20 p. m., Christmas Vacation begins.

1916

Jan. 5. Wednesday, 8:00 a. m., Christmas Vacation ends.
Jan. 31-Feb. 3. Monday-Thursday, Registration Days.
Feb. 3. Thursday, First Semester ends.
Feb. 7. Monday, 8:00 a. m., Second Semester begins.
Feb. 22. Tuesday, Washington's Birthday.
March 29. Wednesday, 4:20 p. m., Spring Vacation begins.
April 5. Wednesday, 8:00 a. m., Spring Vacation ends.
April 21. Good Friday.
May 30. Monday, Decoration Day.
June 14. Wednesday, Second Semester ends.

Administrative Officers

Address correspondence as follows:

T. MOREY HODGMAN, President of College.
Catalog, Information, Complaints, General Business.
Address all correspondence during summer vacation.

GLENN CLARK, Dean.
Curiculum and Student Conduct.

JOHN P. HALL, Registrar.
Grades, Credits, Entrance Requirements.

HARRY PHILLIPS, Director Conservatory of Music.
Catalog, Tuition, Entrance.

BISHOP H. SCHRIBER, Secretary and Attorney.
Records, Taxes, Litigation, Release of Mortgage.
Pioneer Building, St. Paul.

CHAS. E. MacKEAN, Treasurer.
318 Gilfillan Block, St. Paul.

RUFUS C. JEFFERSON, Chairman Finance Committee.
Investments, Releases.
New York Life Building, St. Paul.

JOHN T. HENDERSON, Field Secretary.

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E. B. KIRK.....St. Paul
REV. JOHN E. BUSHNELL, D. D.....Minneapolis
WATSON P. DAVIDSON.....St. Paul
P. L. HOWE.....Minneapolis

TERMS EXPIRE JUNE, 1916

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R. C. JEFFERSON.....St. Paul
GEORGE W. WISHARD.....Minneapolis
GEORGE D. DAYTON.....Minneapolis
*FREDERICK WEYERHAEUSER.....St. Paul

TERMS EXPIRE JUNE, 1917

THOMAS SHAW.....St. Paul
A. D. THOMPSON.....Duluth
THOMAS B. JANNEY.....Minneapolis
O. A. ROBERTSON.....Minneapolis
JOHN S. MCLAIN.....Minneapolis

T. MOREY HODGMAN, ex-officio.....St. Paul

* Deceased.

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T. M. HODGMAN

College Faculty

THOMAS MOREY HODGMAN, A. M., LL. D., President,
Mathematics.
Residence, 476 Ashland Avenue. N. W. Dale 2450.

JAMES WALLACE, Ph. D.,
Professor of Bible. Head Professor of Bible Training Department.
On the Frederick Weyerhaeuser Foundation.
Residence, 1641 Laurel Avenue. N. W. Midway 2178.

ANDREW WORK ANDERSON, A. M.,
Professor of Philosophy and Education.
On the O. A. Robertson Foundation.
Residence, 1658 Lincoln Avenue.

DAVID NEWTON KINGERY, A. M.,
Professor of Mathematics and Astronomy.
Faculty Director of Athletics.
Residence, 135 Amherst Street. N. W. Midway 4183

JULIA MacFARLANE JOHNSON, A. M.,
Dean of Women.
Professor of English Literature and Old English.
Residence, Wallace Hall. N. W. Midway 535.

HENRY DANIEL FUNK, A. M.,
Professor of History.
Residence, 195 Macalester Avenue. N. W. Midway 2129.

RICHARD URIAH JONES, A. B.,
Professor of Chemistry.
Residence, 1257 Lincoln Avenue. N. W. Midway 940.

HUGH STUART ALEXANDER, A. M.,
Professor of Physics and Geology.
Residence, 1596 Summit Avenue. N. W. Midway 1080.

JOHN PORTER HALL, A. B., Registrar,
Professor of Greek and Principal of Baldwin School.
Residence, 1668 Princeton Avenue. N. W. Midway 3735.

GEORGE WILLIAM DAVIS, Ph. D., D. D.,
Professor of Social and Political Science. College Chaplain.
Residence, 2268 Blake Avenue. N. W. Midway 1152.

GLENN CLARK, A. M., Dean,
Professor of English.
Residence, 1787 Goodrich Avenue. N. W. Midway 1620.

FREDERIC GIBBS AXTELL, A. M.,
Librarian. Associate Professor of Bibliography.
Residence, 1270 Lincoln Avenue. N. W. Midway 1366.

HAROLD OMER BURGESS, A. M.,
Associate Professor of Latin Language and Literature.
Residence, 1745 Lincoln Avenue. N. W. Midway 2512.

CHARLES BREMICKER, A. B.,
Associate Professor of German.
Residence, 1507 Selby Avenue. N. W. Midway 2310.

WILLIAM WALTER CORT, Ph. D.,
Associate Professor of Biology.
Residence, 1728 Hague Avenue. N. W. Midway 4518.

GRACE BEE WHITRIDGE,
Adjunct Professor of Dramatic Art and English. Physical Director for Women.
Residence, 654 Hague Avenue. N. W. Dale 301.

FARQUHAR DAVID McRAE, Ph. D., D. D.,
Adjunct Professor of Apologetics and History. Student Pastor.
Residence, 41 Macalester Avenue. N. W. Midway 537.

MAY GIBSON, A. M.,
Adjunct Professor of Latin.
Residence, 312 17th Avenue S. E., Minneapolis.
N. W. East 2985.

LILY ISABEL LEWIS,
Instructor in French and German.
Residence 745 Fairmount Avenue. N. W. Dale 3155.

GERTRUDE CRIST,
Secretary to Faculty, President and Registrar.
Residence, 1230 Dayton Avenue. N. W. Midway 658.

FRED IRVING EGLIN, A. B.
Director of Athletics.
Residence, 1712 Lincoln Avenue. N. W. Midway 1337.

ELIZABETH FITZPATRICK STARR, A. M.,
Instructor in German. Fellow in Chemistry.
Residence, Excelsior. N. W. Excelsior 126 W.

ESTHER ALLISON TIFFANY, A. B.,
Fellow in English.
Residence, 890 Goodrich Avenue. N. W. Dale 3397.

LUCY LAURA UHL, Ph. B.,
Fellow in Economics.
Residence, 1527 West Minnehaha Street. N. W. Midway 1787.

Student Tutors

Ruth Slagg
Edith Haigh
Gwendolyn Williams
Wallace Gibson
Margaret Downing
Alice Flinn
J. Lyman Sheean

Student Laboratory Assistants

Emily Payne
J. Lyman Sheean
Rohland A. Isker

Assistant in Shop

Lauron H. Lovelace

Committees of the Faculty

Rules and Discipline

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R. U. JONES — H. D. FUNK, GLENN CLARK — A. W. ANDERSON

Music Curriculum

H. E. PHILLIPS — R. U. JONES — G. H. FAIRCLOUGH

Library

F. G. AXTELL — G. W. DAVIS, JAMES WALLACE — A. W. ANDERSON

Athletics

D. N. KINGERY — F. I. EGLIN — GRACE B. WHITRIDGE

Public Exercises

THE PRESIDENT — GRACE B. WHITRIDGE, H. E. PHILLIPS — J. P. HALL

Publications

J. P. HALL — A. W. ANDERSON — D. N. KINGERY

Matriculation and Classification

J. P. HALL — W. W. CORT, H. E. PHILLIPS — GLENN CLARK

Religious Work

F. D. MCRAE, H. D. FUNK — JULIA M. JOHNSON, C. BREMICKER — JAMES WALLACE, MAY GIBSON

Dormitory

THE PRESIDENT — GRACE B. WHITRIDGE — JULIA M. JOHNSON

Supervision of Buildings and Grounds

THE PRESIDENT — R. U. JONES — GRACE B. WHITRIDGE

Teachers and Schools

H. O. BURGESS — A. W. ANDERSON — H. S. ALEXANDER

Social

H. S. ALEXANDER — JULIA M. JOHNSON — LILY I. LEWIS

Advisers

A. W. ANDERSON, H. D. FUNK — JAMES WALLACE, H. O. BURGESS, R. U. JONES — H. S. ALEXANDER, GLENN CLARK

Student Council

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GRACE B. WHITRIDGE

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Other Officials

ALICE M. CLOUGH.....Housekeeper of Wallace Hall
W. L. WALKER.....Steward of Edwards Hall
H. E. DIERENFIELD.....Steward of Uta Ota Club
W. M. STRONACH.....Steward of Euthenian Club
SAMUEL M. COOKMAN..... Head Engineer
MORRIS BLAISDELL.....Assistant Engineer, Wallace Hall
FRANK GERTZ.....Assistant Engineer, Main Building
L. G. WEIR.....Head Janitor

Distinguished Speakers at Macalester During the Past Year

1914

April 15. Chapel Address by Albert G. Bryant, organization director of the World Peace Foundation, Boston.

April 20. Chapel Address "Teaching" by Prof. L. A. Fossler, University of Nebraska.

April 20. Stereopticon Lecture "Germany" by Prof. L. A. Fossler.

May 18. Chapel Address by Dr. Dawson Johnston, St. Paul City Library.

May 20. Chapel Address by T. G. Coan of Persia.

May 25. Chapel Address by Dr. G. S. McKune of Persia.

June 7. Baccalaureate Sermon by Dr. G. E. Davies, Salt Lake City, Utah.

June 10. Commencement Address by Dr. James A. Macdonald, Toronto, Canada.

Sept. 15. Chapel Address "Breaking Thru England's Embargo on Cattle" by Prof. Thos. Shaw, St. Paul.

Sept. 17. Chapel Address "Has Christianity Broken Down?" by Dr. H. C. Swearingen, St. Paul.

Oct. 9. Chapel Address by Miss Bertha Johnson, International Secretary of the Leper Missionary Movement.

Oct. 14. Chapel Address "New Phases of the Prohibition Move-movement" by Mr. Johnson.

Oct. 20. Chapel Addresses by Dr. David R. Breed, Western Theological Seminary, and Dr. Frederick A. Noble, Evanston, Ill.

Nov. 4. Chapel Address "Moulded by the Potter" by Miss Rudy of the Young People's Christian and Missionary Alliance of New York.

Nov. 10. Chapel Address by Peter McFarlane of Union Gospel Mission of St. Paul.

Nov. 12. Chapel Address "The Call of the Foreign Mission Field" by Dr. Stanley White, New York City.

Nov. 13. Chapel Address by Mr. Nolan Best, Editor of *The Continent*, Chicago.

Nov. 17. Chapel Address "Jesus the Master Teacher" by Mr. E. O. Sellers, Moody Bible Institute, Chicago.

Nov. 25. Chapel Address by Mr. Hugh J. Hughes, Editor of the *Farm, Stock and Home*, St. Paul.

Nov. 24. Chapel Address by Miss Margolee Lewis of Korea.

Dec. 15. Chapel Address by Judge Ell Torrance.

Dec. 16. Address before Honor Scholarship Society by Dean W. R. Vance, University of Minnesota, Minneapolis.

1915

Jan. 19. Stereopticon Lecture "Work on the Iron Range" by Rev. W. J. Bell, '10.

Jan. 22. Chapel Address by Dr. George L. Robinson, McCormick Seminary, Chicago, Ill.

Feb. 2-7. Week of Prayer. Services led by Dr. J. T. Henderson, Secretary Coffin and Rev. J. O. Buswell.

Feb. 10. Chapel Address by Prohibition Candidate for Governor.

Feb. 24. Chapel Address by Mr. Buell of the State Board of Taxation.

IN MEMORY OF

Charles Telford Thompson

BORN
June 6, 1851

DIED
November 3, 1914

Trustee of the College
1886-1900

College Chapel, December 15, 1914

Doxology.
Scripture Selection—Professor G. W. Davis.
Faculty Resolutions—Dean Julia M. Johnson.
Prayer—Dean Julia M. Johnson.
Vocal Solo—"There is a Land Mine Eye Hath Seen"—Miss Harriet Cassidy.
Address—Church-Wide Activities—Rev. John T. Henderson, D. D.
Address—Service to the College—Dr. James Wallace.
Address—A Personal Tribute—Judge Ell Torrance.
Hymn—The Sands of Time are Sinking—Congregation.
Prayer and Benediction—Rev. John E. Bushnell, D. D.

General Information*

Historical Sketch

Macalester College is the outgrowth of the Baldwin School of St. Paul, projected by Rev. Edward D. Neill, D. D., as far back as 1853; and of a similar institution opened in 1873 by the same gentleman in Minneapolis. In 1874 Charles Macalester, of Philadelphia, donated to this school the valuable property known as the Winslow House, near the Falls of St. Anthony, with the understanding that as soon as possible it should be developed into a college. In his honor the institution was named Macalester College. Until 1880 it was an undenominational school. In October of that year it was adopted by the Synod of the Presbyterian Church of Minnesota. In 1883 a syndicate of the trustees bought the present site and gave it to the Board of Trustees. The first building thereon was erected in 1884 and the college was opened September 15, 1885.

Rev. Dr. Neill, the founder of the college, born in Philadelphia in 1823, was graduated from Amherst in 1842. After completing his theological studies under Rev. Albert Barnes, he came West, and in 1849, commissioned by the presbytery of Galena, Illinois, came to St. Paul as a missionary to the whites. Thereafter until his death (except during the Civil War) he devoted his time about equally to the work of Christian minister and educator. He was the first territorial superintendent of public instruction and the first chancellor of the State University. He is the author of Neill's History of Minnesota, and also of valuable monographs on colonial history. He died September 26, 1893.

Next to Dr. Neill, in point of disinterested service for the college, stands Rev. Daniel Rice, D. D. Educated at Amherst College and at Andover Seminary, after long and useful service in Ohio and Indiana, he came to Minnesota in 1875. The late years of his life (1879-1889) he devoted wholly and gratuitously to the upbuilding of this institution of which he was an honored trustee and professor.

Others most actively interested in the establishment of Macalester College were William C. Baker, Richard Chute, W. W. McNair, John S. Pillsbury, Judge C. E. Vanderburgh, Rev. J. C. Whitney,

*Macalester College uses in its official publications a number of the reformed spellings recommended by the Simplified Spelling Board and now authorized by standard dictionaries.

Hon. Eugene M. Wilson, Rev. Robert F. Sample, Henry J. Horn, Henry M. Knox, H. L. Moss, Governor Alexander Ramsey, Chas. T. Thompson, Robert P. Lewis, H. K. Taylor, Thomas Cochran and Major B. F. Wright. Later, the College found warm friends and supporters in Rev. David James Burrell, D. D., and Rev. J. B. Donaldson, D. D., for several years president of the Board of Trustees. This list would not be complete without mention of the name of James Wallace, Ph. D., acting president 1894-1900 and president 1900-1906, whose faith and loyalty never faltered during the dark days following the panic of the early nineties. A number of the trustees were honored sons of Eastern colleges, such as Amherst, Hamilton, Williams, Lafayette, University of New York and Union. The purpose, therefore, in the minds of these men was to build up in the Northwest an institution after the noble character and aims of these institutions whence they came. This was their ideal.

From the beginning Macalester College was burdened with debt, and altho, under the leadership of Dr. James Wallace and Rev. David C. Platter, financial secretary, this debt was considerably reduced, yet, on account of the hard times of the nineties, it had, by June, 1898, risen to $180,000. Again, under Dr. Wallace's administration, with the energetic assistance of Robert A. Kirk, Thomas Shaw and Rufus C. Jefferson, the board was reorganized, the debt liquidated, and efforts for a permanent endowment begun. By February, 1907, pledges had been made amounting to about $175,000.

Dr. James Wallace resigned the presidency June, 1906, and in January, 1907, Thomas Morey Hodgman, of the University of Nebraska, was elected president. On July 1, 1911, the trustees certified that a total of $467,000 had been given; that of this total, $307,000 was invested in endowment securities and $160,000 in Wallace Hall and Carnegie Science Hall; that total assets were then $670,000, and that Quail, Parker & Co., Certified Public Accountants, had audited the financial accounts and standardized the method of bookkeeping. The chief gifts were $75,000 from the General Education Board, $50,000 from Mr. Andrew Carnegie, $50,000 from Mr. James J. Hill, $50,000 from Mr. Frederick Weyerhaeuser, $25,000 from Mr. O. A. Robertson and over $75,000 from other Trustees. The debt of gratitude which church and college owe those who clung to the institution and who came to its help in

the dark days—many of them are still members of the Board of Trustees—is not yet fully appreciated and can never be repaid. The patience, devoted loyalty and heroic sacrifices wrested a great victory out of apparent defeat.

Macalester College celebrated its quarter centennial June, 1910, with impressive ceremonies. By direction of the Board of Trustees and at the expense of the college, a History of Macalester College was published by Professor Henry D. Funk.

Macalester College sets, for its ideal of efficiency, an endowment of $1,000,000, a plant of $500,000 and a maximum attendance of 500 college students. Its most pressing needs are a gymnasium for men, a central heating and power plant, a library building and a chapel.

The Trustees, on June 9, 1914, completed a second endowment campaign for $250,000. Payments of pledges are now being made and must be completed by July 1, 1916. When these are all paid the college resources will total $960,000.

Presidents of Macalester College

Rev. Edward Duffield Neill,* D. D., 1873-1884.
Rev. Thomas A. McCurdy,* D. D., 1884-1890.
Rev. David James Burrell, D. D., 1890-1891.
Rev. Adam Weir Ringland, D. D., 1892-1894.
Prof. James Wallace, Ph. D.,
Acting President, 1894-1900; President 1900-1906.
Prof. Thomas Morey Hodgman, M. A., LL. D., February, 1907—.

Form of Bequest

The corporate name of the institution is Trustees of Macalester College.

Legal Form of Bequest.—I give and bequeath to the Trustees of Macalester College of St. Paul, Minnesota, duly incorporated under the laws of Minnesota, the sum of .....dollars.

Location

Macalester College is located in Macalester Park, St. Paul, a beautiful suburb in the so-called Midway district. The location is favorable for study, for the development of a pure and wholesome college life, and for careful supervision of the conduct of students. Easy access to the Twin Cities is afforded by the Grand Avenue and Snelling Avenue electric lines—the latter of which connects with all four interurban lines. This combination of college and city life is a unique advantage to Macalester students. The cultural

*Deceased

opportunities which the public libraries, churches, lecture courses and musical entertainments of these cities offer, are important and react most beneficially upon both faculty and students.

Campus

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue, a fine boulevard two hundred feet in width, which connects the Twin Cities. The College buildings, eight in number, are situated on the north half of the campus, while the ample athletic field, grove of oaks and ice skating rink occupy the southern half.

Buildings and Equipment

The Main Building is of brick, one hundred feet long and fifty feet wide, three stories high with basement, and contains class rooms, society halls, men's gymnasium, library, auditorium and executive office. The building is heated by steam and provided with its own electric light plant.

The Carnegie Science Hall, the gift of Mr. Andrew Carnegie, is a three-story building with a full height basement. It is essentially fireproof, being constructed of reinforced concrete and brick. The exterior is of colonial brick with trimmings of Bedford limestone. The floors are of maple over reinforced concrete except those of the halls which are of cement with terrazzo borders. The interior finish and furniture are of birch. The basement contains a wood shop and a metal shop for applied mechanics. The first floor is devoted to physics and mineralogy; the second to biology, mathematics and astronomy; and the third to chemistry. The entire building is electrically lighted and steam heated. Ventilation is of the most approved type. Pure air passes into the basement over steam coils and is driven thru the building by electric fans. In the attic another fan draws out the foul air. Electrical connections are provided in all of the lecture rooms for both direct and alternating currents for projection as well as for general demonstrations and lectures. Light is abundant and well directed. For its size and purpose this building has no superior.

Museum.—In the Science Hall is the Museum, small at present, but growing. The Lewis Collection of Indian relics is rare and valuable, as is also the Educational Collection of marine invertebrates and fishes contributed by the Smithsonian Institution, Wash-

ington, D. C. Friends are invited to keep in mind the importance of a museum in educational work.

The Men's Dormitory is a three-story brick building, ninety feet long by thirty-eight feet wide. The second and third floors contain twenty double rooms designed to accommodate two students each. The rooms are furnished with plain, substantial furniture, are well lighted and thoroly comfortable. This hall is for men exclusively. The building is heated by steam and lighted by gas. Students must care for their own rooms or arrange with some one to do so.

Wallace Hall is a new building for women, situated at the corner of Summit and Macalester avenues, and so arranged that sunlight falls into every room. In addition to the students' rooms there are elegant parlors, a dining room that seats one hundred, and a large gymnasium in the basement. The classes for the physical training of women are held here. It is heated by steam, lighted by electricity, has hot and cold water in every room, shower and tub bath facilities. It accommodates eighty students. The whole building has every modern appointment and is absolutely fireproof. It is believed that no building of its kind west of Chicago can approach it or be compared with it in plan and equipment. Choice of rooms will be given in order of application.

Edwards Hall is a substantial three-story commons for men, on Macalester Avenue, one block south of the college. It is named after W. C. Edwards, of St. Paul, thru whose liberality it was erected. It sets tables for seventy-five. The students in this building form a club and manage the boarding department under a matron and other officers of their own choice, subject to the general supervision of the faculty.

Euthenian Hall, corner of Lincoln and Snelling avenues, is a commodious and attractive dormitory, leased by a club of men and under the management of its officers. It lodges twenty students and has dining room facilities for twenty-five.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus, used as a practice hall by the School of Music. It contains sixteen rooms, heated by steam and lighted by gas.

Heat, Light and Power Plant.—A central plant containing two boilers, an engine and a dynamo, supplies the Main Building,

the Men's Dormitory and the Science Hall with steam heat, electric light and power.

Shaw Field.—Provision for the encouragement and development of outdoor athletics has been made by the construction of the Thomas Shaw Athletic Field. This contains four acres of the campus lying directly south of the main building and is enclosed by an iron fence. A quarter-mile track, twelve feet wide, with turns on a hundred-foot radius, is one of the important features of the field. This track is on a dead level and has a foundation of coarse cinders five inches deep, on top of which is a layer of fine surfacing cinders two inches deep. The part of the field enclosed by the track is laid out as a football and baseball field and also provides room for an outdoor basketball field. The whole area within the track is perfectly level and, with the exception of the diamond, is seeded down with a special mixture of lawn grass seed which will stand the rough usage athletic fields naturally receive.

On the east side of the field between the fence and the track lies an elevated strip about thirty feet wide along which a series of bleachers is being constructed. These are to be in units having a seating capacity of about five hundred each.

The track in front of the bleachers has straight extensions at the corners which provide a straightaway track for all the short races, while just inside the curb the proper settings are provided for the pole vault, the running broad jump and the discus throw.

Shaw field, which was dedicated at the opening of the school year in 1909, was named in honor of Professor Thomas Shaw, President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

The college buildings with their furnishings, laboratory equipment, library, together with the campus, are conservatively valued at $372,842.

Library

The Library contains about fourteen thousand volumes. The working collection is located on the third floor of the Main Building; less used books are on other floors. For greater security the Neill collection has been placed in the museum room in Science Hall; in this building also are department collections.

The Neill collection includes rare works in Puritan and Colonial history and theology, and in early American travels, together with

examples of fifteenth and sixteenth century printing and valuable autograph letters.

The Dewey system of classification is used.

For maintenance of the Library there is set apart each semester one dollar fifty cents of every tuition fee.

Henry L. Moss, a former trustee of the college, at his death in 1902, left his property for the support of the Library, subject to life use by Mrs. Moss. The income from this bequest is at present four hundred dollars.

The alcove of economics receives twenty-five dollars annually from Mr. F. A. Hodgman, of New York City, in memory of his mother, Mary Hurlbut Hodgman.

Annual gifts or permanent funds are desired for other alcoves.

The Library is open every school day during the college year from eight until five o'clock and on Saturdays and holidays from nine to twelve and from one-thirty to five o'clock.

Easily accessible for reference work are the large collections of the St. Paul Public Library, the State Law Library and the Minnesota Historical Society Library. Circulation privileges in the first-named are enjoyed by Macalester students. The Minneapolis Public Library and the Library of the College of Agriculture are occasionally consulted.

The following periodicals are on file in the Library or in the department libraries:—

Advocate of Peace.
American Economic Review.
American Historical Review.
American Journal of Archaeology.
American Journal of Sociology.
American Naturalist.
American Political Science Review.
Annals of the American Academy.
Assembly Herald.
Atlantic Monthly.
Bible Society Record.
Biological Bulletin
Bookman.
Century Magazine.
Christian Endeavor World.
Classical Journal.
Classical Philology.
Continent.
Country Life in America.
Crisis.
Current Opinion.
Dial.
Editor.
Educational Review.
Etude.
Everybody's Magazine.
Expository Times.
Forum.
Good Housekeeping.
Harper's Magazine.
Herald and Presbyter.
Hibbert Journal.
Home Mission Monthly.
House Beautiful.
Independent.
Journal of Educational Psychology.
Journal of Political Economy.
La Follette's Weekly.
Literary Digest.
Littell's Living Age.

Missionary Review of the World.
Monatshafte fur deutsche Sprache und Pädagogik.
Musician.
Musical Courier.
Nation.
National Geographic Magazine.
North American Review.
Outlook.
Political Science Quarterly.
Popular Astronomy.
Popular Mechanics.
Popular Science Monthly.
Presbyterian.
Progress.
Protestant Magazine.
Quarterly Journal of Economics.
Range News.
Reader's Guide to Periodical Literature
Record of Christian Work.
Religious Education.
Review of Reviews.
St. Paul Pioneer Press.
School Review.
Scientific American.
Scientific American Supplement.
Scribner's Magazine.
Sunday School Times.
Survey.
Woman's Work.
World's Work.
Yale Alumni Weekly.
Yale Review.

Administration

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to guard well their honor and that of the institution, and to maintain a wholesome esprit de corps.

Some regulations, however, are necessary, and when students matriculate it is understood that they thereby submit themselves to the government of the college and pledge themselves to support the same while they are members of the institution. They are expected, and, by virtue of their matriculation as students of the institution, are understood to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, daily morning prayers, and Sunday morning service, and to be diligent in preparation of all tasks assigned.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The dormitories are organized on the self-government plan under adequate faculty cooperation. A Student Council, composed of student and faculty representatives, voices student opinion and cultivates student self-control. No finer tribute can be paid Macalester's students than this—that after six years of experiment both faculty and students regard student self-government as a gratifying success.

Registration

Students are required to register by the beginning of each semester. A fine of fifty cents a day will be levied in case of tardy registration, unless remitted by the matriculation committee for satisfactory reasons, fines being imposed after the commencement of classes.

The student who has failed in more than half the work of the first semester, counted by hours, may not register for the second semester.

The prospective student will facilitate registration by procuring from the college an application blank on which his principal or superintendent should fill in the student's credits. This blank should be mailed by the proper school authority to the Registrar by the first of September.

Examinations and Reports

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester.

Students who fail in term grade or in both the regular and condition examinations, must take the subject again in class to secure credit.

For private and condition examinations a fee of fifty cents shall be paid for each examination to the Secretary of the Faculty, who shall thereupon issue a permit. Private examinations will be authorized by the faculty only, and for the most urgent reasons stated in writing.

Examinations for removal of conditions will be held on the second Monday after the first Wednesday of each semester at 2:20 p. m. Attendance upon these examinations is obligatory.

Degrees

Graduates from the classical course receive the degree of B. A.; those from the scientific course the degree of B. S.

No student shall be entitled to graduate who shall not have been attending the college at least one year.

Fellowships

The Board of Trustees has offered a limited number of fellowships open to graduates of other approved colleges and carrying a yearly stipend of $300. The holders are required to devote

one-half of their time to assistance in the department offering the fellowship and the other half to graduate study in the University of Minnesota.

Prizes and Scholarships

Noyes Prize.—Mrs. D. R. Noyes has given $2,000, the interest on which is used as prizes for student scholarship. Last year the senior prize was awarded to Alice Louise Lindsley, the junior to Alice Julia Flinn and the sophomore to Margaret Douglass Downing.

Stringer Prize.—Through Mr. E. C. Stringer, of St. Paul, the college is able to offer an annual prize of twenty-five dollars, to be given to that student of the college, who, having not fewer than fourteen recitations a week, takes the first place in the preliminary oratorical contest mentioned above, and represents the college in the state contest. Awarded last year to J. S. Nyquist.

Debate Prize.—Mr. Walter L. Mayo, of St. Paul, offers a prize of thirty dollars, to be distributed to the six students who win positions on the state intercollegiate teams. The winners last year were J. L. Harvey, H. F. Softley, G. R. Collins, W. T. Greig, H. D. Lindgren and George Ziesemer.

Macalester-Hamline Senior Prize in Oratory.—One hundred dollars in prizes is distributed among the winning contestants in an annual dual oratorical contest between the senior classes of Hamline and Macalester College. The first prize consists of fifty dollars, the second of twenty-five dollars and the third of ten dollars and three of five dollars each. The contest in 1915-16 will be held at Macalester.

Temperance Oratorical Prize.—Each year twenty-five dollars is given by The Board of Temperance to be divided in prizes of fifteen and ten dollars for the best orations on some phase of the temperance question. First prize won last year by J. S. Nyquist and this year by G. R. Collins.

Shaw Scholarship.—Given by Professor Thomas Shaw, of St. Paul, to the nominee of the Central Presbyterian Church, of St. Paul, yielding $50 per annum.

Silliman Scholarship.—Offered by Mr. H. B. Silliman, of Cohoes, N. Y., and yielding $50 per annum. Awarded this year to Erling Eriksen.

Williams Brothers Scholarship.—Louis H. and Charles R. Williams, of Minneapolis, have given $1,000, the income from which

is for the aid of a student selected by the faculty. Held this year by Catharine Lealtad.

Webb Scholarship.—Mr. E. A. Webb has given $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church, of St. Paul. Held this year by Vergil H. Guthrie.

Winona Scholarship.—The First Presbyterian Church has given $1,000, the interest of which is to aid a candidate nominated by this church. Held this year by T. A. Rother.

Biology Scholarship.—Two eminent surgeons contribute $50 a year to aid a student in the department of biology, to be selected by the head of this department. Held this year by Emily H. Payne.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry.

Honorary Scholarships of $60 each are offered to the first ranking student among the young men and also among the young women in each graduating class of an accredited four-year high school, provided that the superintendent certifies that such students are of honor grade.

Rhodes Scholarships.—"In order to keep this well known bequest before the minds of present or prospective students it is briefly mentioned. Circulars of full information can be obtained at the president's office. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sophomore year of study, may be a candidate for one of the Minnesota scholarships. This insures to the winning contestants a three years' residence in Oxford University, England."

Loan Fund.—A loan fund of one thousand dollars has been started by the Faculty Women's Club. One hundred dollars are now being used as a loan for short periods, without interest, to junior and senior students.

Student Activities

The Y. M. C. A. has a membership of about forty students. It holds its regular meeting every Tuesday morning. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students. The president of this association is V. H. Guthrie.

The Y. W. C. A. has this year increased its membership to seventy-five. Its regular meeting is held every Tuesday morning. There is also a flourishing mission-study class. The president of the association is Eunice G. Finch.

Literary Societies.—In the college there are four literary societies under the general oversight of the faculty. The Hyperion society admits to membership both men and women; the Athenaean and Eulogian societies admit men, and Clionian society, women.

In the Music School, the Euterpean society is open to music students.

No literary society or other student organization may be established without the consent of the faculty.

Debate and Oratory.—All matters pertaining to debate and oratory are under the charge of the Forensic Board. This board is composed of one representative from each literary society, one from each class of the college and three representatives from the faculty.

The local oratorical contests are the Temperance Oratorical Contest held in November and the Intercollegiate Preliminary held in May. The former was won by G. R. Collins and the latter by Paul Bremicker. The intercollegiate oratorical contests consist of the regular state oratorical, the state temperance oratorical and the Hamline-Macalester Senior Oratorical Contest. Macalester's representatives in the latter this year were H. F. Softley, Paul Bremicker and J. S. Nyquist.

The regular college debates consist of the freshman-sophomore annual series for the loving cup provided by the Forensic Board. This year the Class of 1917 won the cup for the second time in succession and will hold it until next year.

In March is held the state intercollegiate debate, Macalester's opponents this year being St. Olaf and Gustavus Adolphus. The question is resolved "That the Federal Government should own and operate all interstate railroads." In addition to the state debate this year Macalester held debates with Grinnell College, University of South Dakota, Huron College and Fargo College. The teams were selected from the men who had been selected as the results of preliminary tryouts—G. R. Collins, I. Roth, H. D. Lindgren, Geo. Jensen, William Greig, Chas. Gerlinger, S. Mattson, Walter Lienke, Fred Sachse, Frank Holmes, J. S. Nyquist, W. Akenson and H. Huelster.

College Chorus.—H. E. Phillips, leader.

College Band.—Walter Lienke, leader.

Orchestra.—A. Pepinsky, leader.

Glee Club.—Vergil H. Guthrie, leader.

French Club.—This is composed of interested students in the department of French and meets each month for improvement in the French language and literature. Readings, recitations, songs, games and plays, all in French, constitute the programs.

Education Club.—This is an organization of students interested in the advancement of pedagogical training and knowledge. The club meets on the first and third Monday evenings of each month. All college students are eligible to membership.

The Honor Scholarship Society

This society, announced one year ago as under consideration, is now fully organized. The aim in this body is to stimulate scholarship and intellectual interests in the college. It regards scholarship, intellectual leadership, originality and character as the requisites for eligibility to membership.

The society is composed of twenty members: four unconditioned sophomores and sixteen juniors and seniors. New members are elected by the faculty at the beginning of October in each year. The eligible list for new members is composed of students having an average standing of at least *B*, together with any others who may be added by a three-fourths vote of the faculty. Half of the members to be elected are chosen on the basis of scholarship as shown by the registrar's records. The remaining half are chosen by ballot of the faculty from those students who are on the eligible list.

The society has an active member's pin of silver, which is presented to each new member at the recognition exercises when he enters the society, and a graduate member's pin of gold, which is presented to graduating members at, or just preceding, commencement. The officers of the society are:—President, Edward M. Clark; Vice-President, Alice J. Flinn; Secretary, Beryl A. Brownlee; Executive Committee, the above officers together with Dean Julia M. Johnson and Dr. W. W. Cort.

The list of charter members is as follows:—

Beryl Brownlee
Edward M. Clark
Francis Marion Dana
Wilfred Danielson
Margaret D. Downing
Alice J. Flinn
Charles Gerlinger
Vergil H. Guthrie
Edith A. Haigh
Bertha M. Hurr
Catharine Lealtad
David N. Ling
Jessie E. McClure
Anna S. Nelson
Adolf Olson
Madge Porter
J. Lyman Sheean
Fremont D. Taylor
Olga C. Terzieff
Margaret J. Williams

Religious Life and Exercises

Macalester was founded as a Christian college. The atmosphere of the college has always been warmly religious. The Young Men's and Young Women's Christian Associations are large and active. The city offers much opportunity for religious work. In keeping with the purpose of the founders of the college the faculty makes the following requirements:—(1) all students registering for more than five hours a week in college studies are required to include the equivalent of at least one hour a week of Bible study for the year; (2) attendance at the daily chapel exercises of the college at ten o'clock in the morning is required of all college students without exception; (3) attendance at Sunday morning church services is expected of all students and required of all who are not living at home with their parents. Presbyterian students, not living at home, are expected to attend the Macalester Presbyterian Church. Students connected with other churches either by membership or sympathies are excused to attend the church of their preference.

This year the Macalester Church initiated a system of affiliated memberships, by which the student who wishes may retain his membership with his home church while at the same time coming into such relation with the local church at the college that he may feel that he has here a church home and center for his religious life. Students are urged to take advantage of this offered affiliation.

Physical Training and Athletics

Athletics and careful physical training are encouraged, and three dollars of the tuition fee for each semester are set apart for the support of athletics. Students are thereby entitled to admittance to all athletic contests and to the use of the gymnasium and skating rink. The athletic field is enclosed, and contains about four acres. There are a number of lawn tennis courts. A large skating rink has been provided in the midst of the oak grove at the south of the campus, and has been very popular. Trained coaches are provided for field sports.

All men not excused by the director of athletics are required to take gymnasium drill twice a week for at least one-third of each year. A competent instructor and adequate equipment are provided.

Classes in physical training are conducted for young women in the gymnasium of Wallace Hall. Attendance is required of freshmen.

A course in personal hygiene for one semester is required of all students. On completion of two years' physical training one credit is given for this course.

Teachers' Bureau

The college maintains a reliable teachers' bureau as a means of communication between graduates and superintendents and school boards desiring competent teachers. Graduates will not be recommended to positions for which they do not give good evidence of fitness. This service is given without charge. Those desiring to make inquiry in regard to teachers should address The Teachers' Bureau, Macalester College, St. Paul, Minnesota.

Publications

The following publications are issued from the college:—

The College Catalog, which is one number of **The Macalester College Bulletin,** a quarterly paper devoted to the advertisement and advancement of the institution.

The Mac, a triennial publication devoted to college interests, published by the college students. The editor-in-chief this year is Irving H. Williams.

The Macalester Weekly is a student publication established this year. It gives expression to student opinion upon matters of college life, and gives complete accounts of all college events. The editor-in-chief is Arthur B. Hood.

Expenses

Students' fees are paid at the beginning of each semester, before completion of registration and strictly in advance, as follows:—

Tuition, regular student	$30.00
Special student (8 hours or less)	15.00
Special fees—	
Biology	3.00
Physiology	1.50
Chemistry	5.00
Physics	3.00
Geology	1.00
Applied Mechanics	4.00
Homemaking	1.00
Mechanical Drawing	.50
Locker, annual fee	1.00
Diploma	5.00

No deductions are made except for sickness lasting a month or more.

From tuition fees the trustees, on recommendation of the faculty and students, appropriate the following amounts: athletics, $3; library, $1.50; band, orchestra, debate and oratory, 50 cents; "The Mac," 50 cents; newspaper, 50 cents.

Refunding Tuition.—If a student leaves the institution at any time after entrance without the approval of the faculty or because he has been suspended or dismissed, no money is refunded. Those withdrawing for other reasons, on or before the middle of a semester, will be allowed an equitable percentage on tuition paid.

Special Rates

1. Sons and daughters of ministers of any denominations are allowed a rebate of eight dollars each semester on tuition.

2. All candidates for the ministry, of whatever church or denomination, are allowed a rebate of eight dollars each semester on tuition upon the following conditions:—

(1) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the treasurer certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(2) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated, in the event of their abandoning their purpose to enter the ministry.

The above concession, tho made at a great sacrifice to the college, is offered cheerfully, with the purpose of enhancing, as far as possible, the usefulness of the college. It is, however, justly expected of those who are thus helped that they will be faithful in promoting, as far as possible, the welfare of the institution and that they will complete their course of study at this institution.

3. When more than one person from the same family attend college at the same time a rebate of $4 on tuition fee will be allowed to each person after the first. This rule does not apply to those receiving other privileges or rebates.

Rooms and Board

Room rents for all college buildings and board at Wallace Hall are to be paid in advance each month of twenty-eight days.

Wallace Hall for Women

Board per week, each person $4.00
Room rent per week, each person ..... $1.25 to 2.00

Men's Dormitory

Room rent per week—corner rooms $1.00
Room rent per week—inner rooms ..... .75
For each person.

All rooms have two occupants and the rentals include light and heat.

Men students board at Edwards, Euthenian and Uta Ota clubs or in private families. Board costs on an average 50 cents a day or $3.25 to $4.00 a week. Rooms in private families per month, $6.00 and up.

Occupants of dormitory rooms are held responsible for their rooms for the semester unless obliged to withdraw from college.

Each student in the college dormitories is required to deposit $2.50 (including deposit for key) as a guarantee against damage to college property, and to make it up to that amount at the opening of each semester thereafter. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done in dormitories by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave the dormitory.

Rooms

(1) **Furniture.** — All rooms in men's dormitories are furnished with bedsteads (two-thirds size), mattresses, pillows, dresser stand, bowl and pitcher, study table, book shelves and three chairs. Students in the dormitories must provide their own bed clothing, towels, napkins and carpets or rugs. In Wallace Hall there are single iron beds, mattresses, pillows, dresser, study table, two rockers, two study chairs, a lavatory with hot and cold water, steam heat and electricity. Floors are of hardwood.

(2) **Application.**—Application for room in the dormitories should be made as early as convenient to the President, enclosing $1, which will be applied on room rent. Applicants should state in which hall they desire a room. Rooms will not be held later than the opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come, the money advanced will not be returned. Rooms will be assigned in the order of application.

No deduction is made for vacations during school year. Students are charged for their rooms till they are formally vacated—whether continuously occupied or not—and keys surrendered.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Students who are in arrears at the end of any semester will be refused credits for the semester's work until all bills incurred by them have been paid; also future registration will be denied and no class work allowed until settlement satisfactory to the treasurer has been made.

Self-Support

Students desiring to do something toward defraying their own expenses can usually find some way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way thru college, provided the summer vacation is improved to increase his income.

The Y. M. C. A. employment bureau has been organized to assist students in finding work. There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the new-comer is cheerfully made. Address all communications to Chairman Employment Committee, Macalester College, St. Paul.

Telephone

The college may be reached by the Northwestern telephone, Midway 486; The President's residence, Dale 2450; Wallace Hall, Midway 535; Men's dormitory, Midway 320; Edwards' Hall, Midway 2175; Euthenian Hall, Midway 1259; Head Janitor, Midway 4414.

College of Liberal Arts

The *men of experiment* are like ants—they only collect and use.

The *reasoners* resemble spiders, who make cobwebs out of their own substance.

But the bee takes a middle course; it gathers the material from the flowers, but digests it by a power of its own.

So *true philosophy* neither chiefly relies on the powers of the mind, nor takes the matter which it gathers and lays it up in the memory, whole as it finds it, but lays it up in the understanding, to be transformed and digested. —*Francis Bacon.*

Entrance Requirements

General Statement

The satisfactory completion of fifteen units of properly coordinated work of high school grade is required for admission to the freshman class of the college. By a unit is meant four or five recitation periods a week in a subject, carried thruout a year of thirty-six weeks. The recitation periods must be of not less than forty minutes in length.

Admission by Certificate

From Accredited High Schools.—Graduates of accredited high schools requiring a four-year course are admitted without condition to the freshman class.

Applicants for admission to the freshman class should apply to the Registrar for the Applicant's Admission Blank, which should be filled out by the principal of the high school or academy in which their courses were taken, and mailed by him to the Registrar, by the first of September.

From Accredited Academies and Preparatory Schools.—The terms of admission are identical with those for accredited high schools. See section above.

From Unaccredited High Schools, Academies and Preparatory Schools.—Graduates of such schools should secure the Applicant's Blank from the Registrar of the college, and have it filled out and sent to the Registrar as in the case of Accredited Schools. The credits will then be evaluated by the Matriculation Committee of the College.

Registration with Conditions.—A student submitting thirteen and a half units will be admitted as freshman, conditioned, and may make up deficiencies in Baldwin School. Unconditioned freshmen, who may lack certain preparatory studies necessary for the courses they wish to pursue, may take these studies in Baldwin School without extra charge for tuition. A five-hour course so taken counts for four hours on the college course.

Admission by Examination

Students not presenting certificates as provided for above must present a course of study equal to a four-year high school course. Such students will be examined in the course presented by them and will be admitted to freshman standing on passing the exami-

nation satisfactorily. These examinations will be given on the Monday and Tuesday preceding the opening of the college in September.

Suggestions to Students Preparing for Macalester College

The following suggestions respecting high school courses are not mandatory, but may be of value to future college students, now in high school or academy.

Suggested Units.—Students expecting to study for the B. A. degree are advised to present the following ten units for entrance:

English 3 or 4
Latin 4
Algebra 1½ or 1
Geometry 1½ or 1

The remaining five units may be selected from the following:

History 1 or 2
German 1 or 2
Greek 1 or 2
French 1 or 2
Chemistry 1
Botany ½ or 1
Physics 1
Civics ½
Physiology ½ or 1
Zoology ½ or 1
Physical Geography ½ or 1
Manual Training ½ or 1

Students intending to study for the B. S. degree are advised to present the following ten units:

English 3 or 4
German 2
Chemistry, Physics 2 or 1
Algebra 1½
Geometry 1½

The remaining five units may be selected from the following:

Chemistry (if not above) 1
Botany ½ or 1
History ½, 1 or 1½
Zoology ½
French 1 or 2
Manual Training ½
Physics (if not above) 1
Physiology ½
Greek 1 or 2
Physical Geography ½ or 1
German 1 or 2
Civics ½

Suggested Courses of High School Study.—The following courses of study are suggested to students now in high schools who are preparing for entrance to Macalester College. Courses such as these will furnish substantial preparation for the work of the college and will articulate well with its courses:

For the B. A. Degree

Composition and Rhetoric 2 units
Literature 2 units
Algebra 1 or 1½ units
Geometry 1 or 1½ units
Latin 4 units
Greek or German 2 units
History and Civics 2 units
Natural Science 2 units

For the B. S. Degree

Composition and Rhetoric 2 units
Literature 2 units
Algebra 1½ units
Geometry 1½ units
Latin 2 units
German 2 units
History and Civics 2 units
Natural Science 2 or 3 units

Admission with Advanced Standing

From Other Colleges.—Students coming from reputable institutions of collegiate grade should present letters of dismissal and are then given standing in Macalester College, allowing a fair equivalent on the course here for work done elsewhere.

All credits from other institutions, for which the student wishes credit in this institution, must be presented at the time of registration. Credits presented later from other institutions will not be considered.

From High Schools and Academies.—Ordinarily, no credit will be allowed on the college course for excess units of work done in the high school or academy. A student asking for such credit should note the following conditions:—

(1) No credit will be allowed except for an excess beyond seventeen units of high school or academy work.

(2) No credit will be allowed except after an examination by the college instructors to whose departments the subjects belong.

(3) In no case will credit be given for more than half the time which the subjects consumed in the preparatory school course.

(4) The Matriculation Committee will decide which of the student's excess units may be submitted for college credit.

Courses of Study

The College of Liberal Arts embraces the following general courses:—

1. The Classical Course, leading to the degree of B. A.
2. The Scientific Course, leading to the degree of B. S.

On entrance, the student makes choice of one of the above courses. Thereafter, deviation from the course chosen must be with the approval of the faculty upon written application, stating reasons.

Requirements for Graduation

Number of Credits.—One hundred and twenty-seven credits are required for graduation in either of the above courses.

The term credit in the following pages means one hour a week for one semester in classroom, or its equivalent in laboratory.

Credits Required in All Courses.—The following credits are required both for the B. A. and the B. S. degree:—

(1) 16 credits of subjects listed under the Bible Training department. At least two credits must be secured each year.
(2) 6 credits in English 1.
(3) 6 credits in Social and Political Science and History.
(4) 3 credits in Mental Science 1: also 3 credits in Mental Science 3, which count in (1) above.
(5) 1 credit in Personal Hygiene.

32 credits required of all.

Credits Required for the B. A. Degree.—For the B. A. degree, the following credits in addition to the above are required:

(1) Six years of foreign language, four of which may be secured in the high school or academy. Four years of this requirement must be in one language, two in another. One year of a language may not be counted for the six here required. If the student's major be in Group I, four of the six years must be Latin.

(2) 12 credits in science.

Credits Required for the B. S. Degree.—In addition to the requirements in all courses, the following credits are required for the B. S. degree.

(1) 8 credits in Mathematics 1 and 2.

(2) Two years of a modern language in the college course, unless student presents three units of a modern language, or two

units of a modern language and two units of another foreign language from high school or academy.

(3) In addition to the major, the student must have eighteen credits from two departments of science.

Courses for the Freshman Year.—Each freshman, unless his preparation does not permit, must select one of the following courses:—

For the B. A. Degree

Bible 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
Personal Hygiene

Elective
Biology 1, 2, 3
Chemistry 1, 2, 3
Expression 1
History 1, 5, 6
Mathematics 1A, 1, 2, 9
Applied Mechanics 1

For the B. S. Degree

Bible 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
Mathematics, 1 and 2, 4 hours
Personal Hygiene
Elective
Biology 1, 2, 3
Chemistry 1, 2, 3
Expression 1
History 1, 5, 6
Mathematics 9
Applied Mechanics 1

English 1 must be taken in the freshman year.

Language requirement must be completed if possible by the end of sophomore year.

Science requirements in the B. A. course must be completed by the end of the junior year.

History and social science requirements must be completed by end of junior year.

Majors and Minors.—Each student who is working for a degree must elect at the beginning of the junior year, under restrictions stated below, one major and two minors from the fourteen following departments:—

GROUP I.

1. Latin
2. Greek
3. German
4. French (minor only)

GROUP II.

1. Bible
2. English
3. Philosophy and Education
4. Social and Political Science
5. History

GROUP III.

1. Chemistry
2. Physics (including Applied Mechanics 2 for major)
3. Biology
4. Mathematics

Terms Defined.—A *major* consists of twenty credits obtained in one department.

A *minor* consists of twelve credits obtained in one department.

Restrictions on Choice.—

(1) For the B. A. degree, the major must be selected from Group I or Group II. For the B. S. degree, the major must be chosen from Group III.

(2) At least one of the minors must be in a different group from the major. The minors are subject to the approval of the student's adviser.

(3) The following courses are not counted toward a major or minor:—Bible 1 (first semester) and 2, Chemistry 1 and 10, English 1. German 1 and 2, Greek 1a and 2a, Latin A and B, Mathematics 1a and 9, Mental Science 1, Biology 1, 2 and 3, Physics 1 and Social and Political Science 1 and 2 are not counted toward a major. In Physics students must present one year of high school work in the subject in order to begin a major or minor.

Theses.—On or before the opening of the second semester of his junior year, each candidate for a degree shall select the subject of a thesis connected with the subject which he is making his major. This subject must be chosen in consultation with the head of the department to which the student's major belongs and with his approval.

The completed thesis shall be typewritten and filed with the Librarian on or before the first of April preceding the student's graduation. Such thesis must be prepared according to regulations to be obtained from the Librarian, and must bear the signed approval of the head of the department. Further, these theses must be accompanied by a complete bibliography of works consulted and analysis. Ordinarily, they will not be accepted if they exceed 6,000 words in length.

Classification of Students

Classification without Conditions.—For freshman classification, as stated before, fifteen units of acceptable high school work or their equivalent; for sophomore, thirty-two college credits in addition to the entrance requirements; for junior, sixty-four

credits in addition to the entrance requirements; for senior, ninety-six credits in addition to the entrance requirements.

Classification with Conditions.—A student is classified as freshman with conditions who presents fewer than fifteen units or their equivalent of high school work and not fewer than thirteen and a half of such units; a student will be classed sophomore on removing all entrance requirements except one-half unit, and gaining twenty-four college credits; he will be ranked junior on removing all entrance requirements and obtaining fifty-four college credits; he will be ranked senior on obtaining ninety college credits.

All conditions from previous years must be removed by the end of the first semester of the senior year.

Changes of Course and Unfinished Courses

Change of Course.—Registration at the beginning of the semester fixes the course of study for the student. After that no change is permitted without the written consent of the instructors concerned and the student's adviser. Dropping a subject comes under this rule.

Unfinished Courses.—Students who drop a year course at the end of one semester lose all credit in that course unless some distinct phase of the subject is completed; in which case, the instructor may grant the credit.

Attending Courses as a Visitor.—Upon the approval of the adviser, a student shall be permitted to attend not to exceed four hours a week in classes for which he is not regularly registered. No credit is allowed for such attendance.

Respecting Courses Offered

Five Students Required for a Class.—The college does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar. Such classes may, however, be organized at the option of the instructor.

Courses of Study.—For detailed information respecting the courses of study offered see the heading, Departments, page 43, and following.

Preparation for Study of Professions

In general colleges do not offer the highly specialized and technical courses required in the professional schools. The object of a college is rather to lay a foundation for such study in a broad and thoro culture. At the same time the system of majors and

minors and the elective system in use here permit the student to frame his college course with some reference to his future profession. The student on selecting his profession should, as soon as convenient, decide what school he will probably attend, then acquaint himself with its requirements for entrance, and shape his college course to meet those requirements. In general, however, the student will find the following courses helpful to him in his future professional study.

For the Study of Medicine.—Thoro courses in chemistry, physics and biology will be most helpful to the student and in most of the better medical schools are required.

For the Study of Law.—The courses in social and political science, English and argumentation, jurisprudence and history, especially constitutional history, are advised. Able students who find it necessary to economize in time will find it possible to gain a year by taking some courses in the evening classes of the Saint Paul Law School along with their college courses.

For the Christian Ministry and Missionary Teaching.—The Bible training department and the electives in Greek Testament, philosophy, ethics and history offer a course well adapted to those who have the gospel ministry in view. Those, too, who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

For Teaching.—Because of the large number of its graduates who become teachers, the college has made special provision for their needs. The student should remember that there is the content side of his preparation and the technical side. The former part of the preparation he will obtain by directing his college studies thru the majors, minors and elective studies to the subjects which he will teach, with their related topics. The latter he will find in the courses in sociology, psychology, logic, ethics, history of philosophy, history and principles of education. This preparation will then be supplemented by practice work to increase his insight into the principles of his profession and give him skill.

Attention of young men is invited in particular to the laboratory shop courses and manual training teachers' course which, in connection with the science courses, fit men for positions for which there is at present great demand.

Senior Electives in Professional Schools.—Students intending to study for some profession, who are obliged to shorten their

CARNEGIE SCIENCE HALL

course in preparation, may in the following manner save one year while still obtaining their degrees. After completing three years of the college course and being enrolled for the fourth year, they may take the first year of a professional course in any school approved by the faculty in place of the work of the senior year.

Conditions Required.—This will be permitted subject to the following conditions: first, the required studies of the college must be completed in every case; secondly, a certificate must be presented from the professional school, showing the successful completion of the work of the first year in that school.

Students Not Candidates for a Degree

Students not expecting a degree will be admitted to the college under the following conditions:—

(1) They must present the requisite entrance credits, fifteen units for unconditioned registration, at least thirteen and a half for conditioned registration.

(2) They will be restricted in their choice of courses to such as their previous studies furnish a preparation for.

(3) They are not excused from the operation of any of the regulations of the institution, which apply to the general student body.

These conditions being met, such students are classified according to the number of credits they have obtained, and are entitled to all the privileges of the college life.

Student Advisers

Seven members of the faculty have been appointed by the Board of Trustees as Student Advisers. The adviser assists the student in the arrangement of a course of study in harmony with his tastes or prospective vocation. He is available for advice at a fixed office hour each week, notes the student's progress in his class and reports on each individual in his group at the end of the semester. The aim of this system of advisers is vocational direction, timely warning to laggards, more intensive and consistent courses of study, closer and more friendly supervision.

Professor Clark is adviser to the freshman class. He is assisted in the supervision of this class by Professors Gibson, Whitridge and Mr. Eglin.

Each student at the beginning of his junior year makes selection of a major study. In accordance with this choice, he is assigned to one of the following advisers for the remainder of his college course:—Professor Wallace, in Biblical studies; Anderson, in English and in philosophy and education; Burgess, in ancient and modern languages; Funk, in history and political science; Alexander, in professional and technical vocations; Jones, in physics, chemistry, biology and mathematics.

Departments

Bible Training

On the John C. Martin Foundation

PROFESSORS WALLACE, MCRAE AND DAVIS

The study of the Bible in some form is required of all students. For this emphasis on the study of the Book of Books there are many reasons. Judged by the extent and character of its influence the Bible is the greatest book in the world. Judged by its ethical and religious teachings it is the best book in the world. Judged by correct literary standards it is superior even to the classics. Judged by its structure it is the most pedagogical book in the world. Viewed linguistically no single volume has so permanently affected the English language, nor from any single source has English literature drawn so much inspiration. For the translation and circulation of no other work has so much money and labor been expended. In the vast body of religious literature it has produced it stands unrivaled, as also in its promotion of popular education. In no one volume can the gradual development of religious ideas be so clearly traced. No book has done so much to awaken, clarify and stimulate the social conscience, nor is the social message of any so authoritative, important and helpful. It, too, more than any other volume, has furnished the great foundations of our free institutions.

But the vast significance and superiority of the Bible culminates in its central figure,—and the central figure of all history as well,—Jesus Christ, who has brought life and immortality to light and has disclosed to mankind the way of salvation.

It is these and other like considerations that justify the Christian college, Christian education and the fixed requirement that all students shall become more or less thoroly acquainted with the Christian view of God and the world as that is presented to us in the Holy Scriptures.

Besides its required courses for all students this department offers elective and advanced courses for students wishing to prepare themselves for other forms of Christian service besides the gospel ministry.

The church, as well as the world, has entered on the era of the laity. Christianity is girding itself for the conquest of the world.

Her call for leaders and workers of all sorts is louder and more engaging than ever before. The world is white unto the harvest and the reapers include not only preachers and evangelists but missionary teachers, missionary physicians, settlement workers, pastors' assistants, secretaries of Young Men's and Young Women's Christian Associations, trained Sunday school organizers, and lay workers generally.

To students training for any of these vocations the college offers special advantages. Open to them is instruction in many subjects essential to thoro preparation for any of the above forms of Christian activity, such as languages, science, literature, philosophy, history, ethics, sociology, elocution, music.

Courses 1, first semester, and 2 are not counted toward a major or minor.

1. The Life of Christ.— PROFESSOR WALLACE

This is studied by means of a harmony of the gospels. By way of introduction, attention is directed to the political and religious condition of the time and to the characteristics and viewpoint of the gospel writers. By discriminating discussion of the teachings of Christ and a realistic presentation of the facts and incidents of His life an effort is made to deepen personal faith in Christ as the Savior of men and to bring the student into appreciation of Jesus as the master teacher of all time.

Required of freshmen, first semester, two hours a week, two credits; elective, second semester, two hours a week, two credits.

Students who are already fairly familiar with the gospels or who for any reason prefer to do so, may, in lieu of the above, take Old Testament History. See 9.

2. The Missionary Labors of the Apostles.— PROFESSOR WALLACE

These studies are based on the Acts of the Apostles and in part on the New Testament Epistles. The external and internal growth of the early church is carefully traced and the whole movement is viewed as a continuance of the work of Christ thru the agency of the Holy Spirit and of His inspired apostles. The authorship and credibility of the Acts, its teaching concerning Jesus, the Holy Spirit, and the organization of the early church receive special attention.

Required of sophomores, one year, one hour a week, two credits.

3. **Prophets of Israel.**— DR. MCRAE
This course consists of a thoro study of the prophets, their place in the community, their functions and their messages. It is pursued inductively from the Bible text with the object of acquainting the student as fully as possible with the foreshadowings of the Christ. All the Messianic passages are carefully analyzed with reference to their historical background and in the order of their development.

One year, two hours a week, four credits.

4. **The Literary Study of the Bible.**— PROFESSOR WALLACE
This course includes a careful study of the Bible, viewed as literature. The rhetorical characteristics of the Hebrew language and the various literary forms of the Bible are closely examined. This done, various parts of the Bible best illustrating these forms and characteristics are critically studied and drawn out in their proper literary form. As sound literary criticism is based on a thoro study of the thought and thought-connections, the literary study of the Bible proves in practice a very valuable aid to interpretation. It is for this reason, especially, that it is included in the course. The text book used as a basis is Moulton's Literary Study of the Bible, and special study is made of the book of Job, certain of the Psalms and selections from the prophets.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

5. **The Social Teachings of the Bible.**—PROFESSOR WALLACE
This course includes a survey of the social teachings of Christ, the apostles, the prophets and the Mosaic code. The object is to form a just estimate of the social message of the Bible and to apply, as far as may be, its social principles to the solution of current social problems. It is based mainly on Josiah Strong's Studies in Social Christianity, supplemented by wide collateral reading in the works of Raushenbush, Peabody, Mathews, Schench, Brace, Keble (collection of lectures) and other works that seek to interpret and apply the social message of Christianity.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

6. **Inter-Testament History.**— PROFESSOR WALLACE
This course is intended (1) to trace the history of the Jews from Malachi to John the Baptist under the Persians, Greeks,

Maccabees and Romans; (2) to trace the rise of the various Jewish sects. A knowledge of the outward political fortunes of the Jews, as well as the movement of Jewish thought in this period is of great importance for an intelligent understanding of the ministry of Christ and His apostles.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits.

7. **Oriental History contemporary with the Old Testament.—** PROFESSOR WALLACE

This course includes (1) a study of the history and religion of Babylonia, Assyria and Egypt; (2) the relation of this material to the explication of Old Testament history. The course is based on the histories of Winckler, Rogers, McCurdy and others.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits. Not offered 1915-1916.

8. **Biblical Pedagogy.—** PROFESSOR WALLACE

This course includes: (1) a study of Jesus as a teacher—a careful consideration of the question, What made Him the Master Teacher of all time?—His mastery of the technique of educational methods as illustrated in the four Gospels; (2) methods of Bible study, teaching and of Sunday school work; (3) the influence of Christianity on the world's education. It is based mainly on the Master and His method (Griffith-Jones), Jesus as a Teacher (Hinsdale), The Making of the Teacher (Brumbaugh), Teacher Training with the Master Teacher (Beardslie), supplemented by lectures.

Second semester, two hours a week, two credits.

9. **Review of Old Testament History.—** PROFESSOR WALLACE

This is offered in lieu of course 1 to college students who have had little or no opportunity of pursuing a consecutive study of Old Testament history before entering college. The history of Israel is pursued from the founding of the kingdom under Samuel till the fall of Jerusalem.

First semester, two hours a week, two credits.

10. **Hebrew.—** PROFESSOR DAVIS

The object of this course is to prepare students for advanced work in this subject as soon as they enter the seminary. The work embraces a thoro study of Genesis 1-8, including the grammatical principles of the language, acquisition of a good vocabulary, translation of English into Hebrew.

One year, three hours a week, six credits.

11. Advanced Hebrew.— PROFESSOR DAVIS

In the second year a critical study is made of one or more minor prophets including text, grammar, exegesis and history.

Prerequisite, course 10. One year, two hours a week, four credits.

12. Apologetics.— DR. MCRAE

This course aims chiefly at three things.

First, a brief exposition of Christian theism and an exhibition of its superiority in philosophy and in practice to the various opposing theories: deism, pantheism, materialism and agnosticism.

Second, a summary of the argument for historical Christianity and an examination of criticisms and objections, especially those of our own day.

Third, a rapid survey of the field of comparative religions with special reference to Hinduism, Buddhism, Zoroastrianism and Confucianism.

First semester, three hours a week, three credits.

13. The Philosophy of Religion.— DR. MCRAE

This course is supplementary to the course in apologetics. It aims to exhibit and defend a philosophic conception in harmony with the Christian religion.

Prerequisite, course 12. Second semester, three hours a week, three credits.

14. International Lessons.— PROFESSOR WALLACE

A course in the International Sunday School lessons. The aim of this course is to study the setting of the lesson, make careful analysis of the materials and discuss the pedagogical teaching of the lesson.

One year, one hour a week, two credits.

15. The History of Missions.— DR. MCRAE

The object of this course is to study the progress of missions from the apostolic age to the present time, and its relation to the advancement of civilization. Extensive use is made of our foreign missionary library and current missionary literature.

One year, one hour a week, two credits.

Other courses for which credit is given in the Bible Training Department are:—

Greek 9, Greek Testament.

Mental Science and Philosophy 3, Ethics.

History 3, The Reformation Period.

Biology

ASSOCIATE PROFESSOR CORT

The courses in biology are arranged to give that general cultural view of the subject which is important for a well rounded education and to make possible a degree of specialization for those looking forward to professional work along biological lines. A combination of courses 1 and 2 is recommended as a first year's work. On account of the fundamental importance to the conduct of life of the facts taught in course 3 it is suggested for all students, especially those taking no other work in the department, to supplement the required courses in physical training and personal hygiene. Courses 1, 2, 3, 4 and 10 are adapted to the needs of the general student and a choice from them is recommended for the fulfilment of the science requirement or a minor in the department. The work in courses 5, 6, 7, 8 and 20 is more specialized, but the cultural value of the subject is nowhere lost sight of. Courses 5, 6 and 7 are of particular interest to premedic students.

As preparation for the teaching of biology in high schools the following courses are suggested: for botany, courses 1 and 4; for physiology, course 3 followed by any of courses 5, 6 or 7; for zoology, course 2 followed by 7 and 8. Course 20 fulfils the teachers' requirement of the state board in this department and should be taken by all prospective teachers of biology. Students majoring in biology need a general knowledge of chemistry and physics. For preparation in medicine or graduate work in biology a reading knowledge of German and French is essential.

Course 9 is required of all men in the freshman class and does not count toward the science requirement, minor or major. Courses 1, 2 and 3 do not count toward a major. Since courses 1, 2 and 3 are open without restriction to freshmen, seniors taking any of them will receive two credits instead of three per course.

1. Plant Biology.—

A study of the principles of biology from the plant side. The main topics treated are: living matter and the cellular organization of plants; the general structure, physiology, and reproduction of representatives of the larger groups.

First semester, six hours a week, three credits.

2. Animal Biology.—

Biological principles as illustrated by animals. Representatives of the phyla of the animal kingdom are studied with reference to structure, function and relation to environment.

Second semester, six hours a week, three credits.

3. Human Biology.—

Lectures, recitations and demonstrations dealing with the structure and activities of the human body. Extensive use is made of anatomical models. This course is recommended to all students to supplement the required work in physical training and personal hygiene.

First semester, three hours a week, three credits.

4. The Flowering Plants.—

Lectures and recitations on the structure, adaptations and classification of the higher plants; laboratory work on vascular tissues and flower structure and analysis. In the spring a study will be made in the field of the trees and flowers of the region. Emphasis is placed on adaptation to enviroment.

Prerequisite, course 1. Second semester, six hours a week, three credits.

5. Vertebrate Histology and Microscopical Technic.—

A comparative detailed study of the tissues of the higher animals. Practice is given in the preparation and mounting of tissues for microscopical study.

Prerequisite, course 2. First semester, eight hours a week, four credits. Given in 1915-1916 and alternate years.

6. Embryology and Cytology.—

A study of maturation, fertilization and cleavage of the ovum and the early stages of the embryology of the frog, chick and pig. Special attention is given to the differentiation of tissues and organs.

Prerequisite, courses 2 and 5. Second semester, eight hours a week, four credits. Given in 1915-1916 and alternate years.

7. Vertebrate Anatomy.—

A study of the comparative anatomy of representatives of the vertebrate classes. Dissections are made of amphioxus, the dogfish, necturus and a mammal.

Prerequisite, course 2. First semester, eight hours a week, four credits. Alternates with course 5. Not offered 1915-1916.

8. Invertebrate Zoology.—

A study of structure, taxonomy and adaptations of invertebrate animals. Types of the more important groups are studied in the laboratory. A special study is made of the adaptations of the fauna of a small pond. The principles of parasitism and the relation of animals to disease is also considered.

Prerequisite, course 2. Second semester, eight hours a week, four credits. Alternates with course 6. Not offered 1915-1916.

9. Personal Hygiene.—

Lectures on the care of the body. Food, sleep, clothing, breathing, bathing and kindred subjects are discussed.

First semester, one hour a week, one credit. Required of all men of the freshman class.

10. History of Biology.—

A study of the lives and work of the more important men who have shaped biological thought. Lectures and assigned readings.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits. Given in 1915-1916 and alternate years.

20. Teachers' Course in Biology.—

Training in the theory and practice of the teaching of biology. Weekly conferences are held on the methods of teaching; opportunity is given for practice in laboratory instruction, grading of note and examination papers; questions connected with the planning of high school courses in biology, the preparing and buying of material, text-books, etc., are discussed. Open only to juniors and seniors who have had twelve hours of biology.

One year, three hours a week, four credits.

Chemistry

PROFESSOR JONES AND MISS STARR

Courses 1 and 10 are not counted toward a major or minor.

1. General Inorganic Chemistry.—

The course includes a thoro study of the principal elements and their compounds, their occurrence in nature, preparation in the laboratory, etc.; also an introduction to the study of qualitative analysis.

One year, seven hours a week, eight credits. Six credits will be allowed seniors taking this course.

Students who have one unit of high school chemistry must take the lecture and classroom work of this course before they are eligible to take the courses following. Four credits will be allowed for this work. Students with very high standing in their high school chemistry will be allowed, upon passing an examination, to omit this course.

2. Advanced Inorganic Chemistry.—

This is a continuation of course 1, with an introduction to physical chemistry.

Prerequisite, course 1. One year, six hours a week, six credits. Not offered 1915-1916.

3. Qualitative Analysis.—

Lecture and laboratory work, including the detection and separation of the metals and the identification of the acids. The last few weeks of the year are spent in the analysis of specimens of rock and earth. Instead of this, the student may make a study of materials used as paint pigments and the methods used in paint analysis.

Prerequisite, course 1. One year six or eight hours a week, six or eight credits; or second semester, twelve hours a week, six credits.

4. Quantitative Analysis.—

Lecture and laboratory work. This includes an introduction to the gravimetric and volumetric analysis and a study of the methods of determination of atomic weights.

Prerequisite, courses 1 and 3. One year, six or eigbt hours a week, six or eight credits. Not offered in 1915-1916.

5. Organic Chemistry.—

A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils, explosives, etc., is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 6 is also taken.

Prerequisite, courses 1 and 2 or 1 and 3. One year, three hours a week, four credits.

6. Laboratory Course in Organic Chemistry.—

To be taken with or upon completion of course 5. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 5, when possible.

One year, six hours a week, four credits.

7. Advanced Organic Chemistry and Qualitative Organic Analysis.—

This course is a continuation of courses 5 and 6. The detection of common food adulterants will receive attention.

Prerequisite, courses 1, 2, 3, 5 and 6. One year, six hours a week, six credits. Not offered 1915-1916.

8. Food Analysis.—

Milk and butter analyses receive special attention.

Prerequisite, courses 1, 3 and 4. One year, six hours a week, four credits, or one semester, twelve hours a week, four credits.

9. Water Analysis.—

Prerequisite, courses 1, 3 and 4. One semester, six hours a week, three credits. Not offered 1915-1916.

10. Teachers' Course.—

This course is designed for those who intend to teach chemistry. They are given practical work in the laboratories, instructing students beginning chemistry, preparing solutions, etc. A course of lectures is given on the teaching of chemistry.

Prerequisite, courses 1 and 3. One year, three or six hours a week, two or four credits. No fee is charged.

Education

PROFESSOR ANDERSON

1. History of Education to Modern Movements.—

The history is followed from the earliest times, thru the Greek, Roman and medieval periods, down to the middle of the eighteenth century. It is recommended that students take a course in European history along with this, if they have not already had such a course. This course and the following are of interest, not only to students purposing to teach, but to all students. These courses introduce us to the best educational thought of the world and have great cultural value.

Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

2. History of Education in the Modern Period.—

This course begins with Rousseau. It covers the psychological, sociological and scientific movements, showing how the present day ideals, tendencies and institutions have become what they are. A relatively full treatment is given to the history of education in the United States. The course concludes with a survey of the modern state systems of education, their organization, methods, curricula and results. Text-book, collateral readings and reports required.

Prerequisite, forty credits. Second semester, three hours a week, three credits.

3. Principles of Education.—

A course given in three parts:—

(1) The **Philosophy of Education**: an attempt to unify and correlate the results of the previous studies of the student;

to reach a positive and well-reasoned view of the true aims of education, in order that the student may go forward with a better insight into the meaning of educational institutions and practice and with safe criteria for judging of their value.

(2) **Organization and Administration:** an examination of the structure and workings of our schools. Following an introduction on the organization, administration and supervision of the schools, in general, the secondary school system is taken up for more thoro study. Here are included the rise and growth of high schools, their aims, kinds, organization, curricula, etc.

(3) The **Teacher and the Class.** The physical and mental nature of the pupil, in particular, of the secondary school pupil is studied, class management and discipline, the nature of true study and the development of habits of intelligent study, and, finally, the art of teaching.

This course is given by text-book, lectures, collateral readings and quizzes. Practice work in teaching is given under the supervision of the regular teachers, in Baldwin School. Reports on visits and observations in the city schools are called for. A thesis is required with this course.

Prerequisite, Philosophy 1, unless the student is registered for it at the same time. Philosophy 2, also, is recommended. One year, three hours a week, six credits.

For further courses in Education, see the various departments of instruction in the college; and, further, all courses in the department of Mental Sciences and Philosophy.

The following courses are included in this department:—

Bible 8
Biology 20
Chemistry 10
English 11
German 9
Latin 7
Mathematics 7
Applied Mechanics 2
Physics 5

English

PROFESSORS JOHNSON, CLARK, WHITRIDGE and MISS TIFFANY

This department offers a major in English Literature and a minor in Expression or English Composition. Courses offered as English Composition may be counted toward a major in English Literature.

I. Composition and Public Speaking

PROFESSOR CLARK AND MISS TIFFANY

1. **Composition.**— PROFESSOR CLARK AND MISS TIFFANY
This course is required of all freshmen. Its purpose is to give the student practice in speaking and writing and to lay a foundation for future work in English.
One year, three hours a week, six credits.

2. **Short Story Writing.**— PROFESSOR CLARK
This course is designed for those desiring further training in narrative writing. Representative short stories are read and analyzed. Each student is required to write several stories which are revised and rewritten until they satisfy the standards of the class.
Prerequisite, English 1. First semester, three hours a week, three credits.

3. **Play Writing.**— PROFESSOR CLARK
The aim of this course is to discover the dramatic values in life and the best methods of expressing them in literature. Representative plays are analyzed for technique in plot, character portrayal and dialog, and a model of each type is constructed in the class room. A one-act play is required of each student and opportunity will be given for producing more elaborate structures.
Prerequisite, English 1. Second semester, three hours a week, three credits.

4. **Newspaper Writing.**— PROFESSOR CLARK
This course offers an introduction to the field of journalism. Actual reporting and correspondence will be used as a basis for part of the composition and criticism. Students may enter this course either semester and one credit may be obtained for one semester's work. Sophomores desiring positions on the *Macalester Weekly* are urged to register for this course.
Prerequisite, English 1. One year, one hour a week, two credits.

5. **Seminar in Advanced Composition.**— PROFESSOR CLARK
Admittance to this course is by approval of the instructor. To be admitted a student must have shown unusual aptitude for writing and must have completed one-third of the writing required for the course before he enters it. A student may pursue any form of writing which meets the approval of the instructor.
Prerequisite, English 1. One semester, one hour a week, one credit. Students taking advanced composition courses are advised to take also courses in English Literature.

8. **Argumentation and Debate.**— PROFESSOR CLARK
A study and analysis of great debates by Calhoun, Webster, Lincoln and others. Abundance of practice is given in drawing up of briefs and in actual debating.
Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

9. **Extemporaneous Speaking.**— PROFESSOR CLARK
The object of this course is the development of a natural, direct and effective manner of speaking. Weekly extemporaneous speeches, thoroly outlined, are required of the class and also one long written address suitable for public presentation.
Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

10. **Seminar in Debating and Oratory.**— PROFESSOR CLARK
Open to those who represent the college in intercollegiate debates and in the state oratorical contest.
One semester, two hours a week, two credits.
Students interested in debate and oratory will find it helpful to take Mental Science 2 (Logic) and courses in Expression and Economics.

11. **Teachers' Course.**— PROFESSOR CLARK
This course is designed to prepare students to teach English in secondary schools. The work consists of lectures, reports and actual practice teaching.
First semester, two hours recitation, two hours practice work, three credits.

II. English Language and Literature

PROFESSOR JOHNSON

22. **American Literature.**— PROFESSOR JOHNSON
Lectures and critical reading of selected authors; themes on assigned reading.
Prerequisite, course 1. First semester, three hours a week, three credits.

23. **Old and Middle English.**— PROFESSOR JOHNSON
A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry; Orm, Layamon and other Middle English texts, including Chaucer.
Prerequisite, course 1. Second semester, three hours a week, three credits.

24. **English Literature.**— PROFESSOR JOHNSON
The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1700. Spenser, Shakespeare and Milton are extensively read and discussed.
Prerequisite, course 1. One year, three hours a week, six credits.

25. The Drama in England.— PROFESSOR JOHNSON

From the Miracle Plays to the closing of the theaters in 1642. Special attention will be given to the writings of the minor dramatists of the Elizabethan period.

Prerequisite, courses 1 and 24. First semester, three hours a week, three credits. Not offered 1915-1916.

26. The Drama in England.— PROFESSOR JOHNSON

From 1642 to 1900. While the course deals chiefly with the English drama, attention will be given to other literatures.

Prerequisite, courses 1, 24 and 25. Second semester, three hours a week, three credits. Not offered 1915-1916.

27. History of Literary Criticism.— PROFESSOR JOHNSON

A study of the principles governing literary composition.

Prerequisite, courses 1 and 24. First semester, three hours a week, three credits.

28. Browning and Tennyson.— PROFESSOR JOHNSON

A comparative study.

Prerequisite, courses 1, 24 and 27. Second semester, three hours a week, three credits.

29. The English Novel.— PROFESSOR JOHNSON

Its rise and development.

Prerequisite, courses 1 and 24. One year, three hours a week, six credits. Alternate for courses 25 and 26.

30. Anglo-Saxon, Beowulf.— PROFESSOR JOHNSON

Prerequisite, courses 1 and 23. Second semester, three hours a week, three credits. Alternate for course 26.

III. Expression

ADJUNCT PROFESSOR WHITRIDGE

A. Elocution and Voice Training.—

1. Theory. The principles underlying the art of expression and literary interpretation.

2. Practice. Deep breathing. Correction of voice faults and mannerisms. Factors of expression. Analysis and interpretation of the classics. Reading and speaking.

One year, three hours a week, four credits.

B. Literary and Dramatic Interpretation.—

Pantomime. Adaptation of the short story and play for platform work. Story telling. Scenes and original presentations.

Prerequisite, course A. One year, two hours a week, four credits.

C. Shakespeare and Modern Drama.—

Analysis and presentation.

Prerequisite, courses A and B. One year, two hours a week, four credits.

French

MRS. LEWIS

1. **Elementary French.—**
In the first year the aim is to give a thoro grounding and drilling in grammar—with exercises in translation, conversation and pronunciation. In the second semester the reading of some easy work in prose is begun.
One year, three hours a week, six credits.

2. **Prose Reading.—**
This course is composed largely of readings in prose works by modern authors, with a light review of the author and his works, as each work is taken up. Composition and conversation are also part of the work.
Prerequisite, course 1. One year, three hours a week, six credits.

3. **French Classics.—**
This year includes the reading of modern authors and some classics; composition and syntax. Works of Hugo, Corneille, Moliere, Racine.
Prerequisite, course 2. One year, three hours a week, six credits.

4. **History of French Literature.—**
The fourth year is given to the history of French literature with readings from many authors, and conversation and composition.
Prerequisite, course 3. One year, three hours a week, six credits.

Geology

PROFESSOR ALEXANDER

A general course in dynamic, structural and historical geology. In connection with and as a part of structural geology a short lecture course is given in mineralogy to familiarize the student with the elementary principles of the subject. Le Conte's Elements is made the basis of the year's work, and in addition to the lectures and laboratory work each student is required to do a certain amount of field work and to make an identified collection of the most important rocks and fossils of this locality. An elementary course in chemistry is required.

One year, three hours a week, six credits.

German

ASSOCIATE PROFESSOR BREMICKER AND MISS STARR

Courses 1 and 2 are not counted toward a major or minor.

1. **Elementary.—**
Grammar, a study of the elements of the language, drill in form, vocabulary, syntax and composition.
One year, four hours a week, eight credits.

2. **Intermediate.—**
Readings from different authors, review of grammar, memorizing of poems, composition and conversation.
Prerequisite, course 1. One year, four hours a week, eight credits.

3. **Classic Drama.—**
Goethe, Schiller, Lessing and others.
Prerequisite, courses 1 and 2 or equivalent. One year, four hours a week, eight credits.

4. **Romantic School or Modern Drama.—**
Selections from Schlegel, Sudermann and others.
Prerequisite, course 3. First semester, three hours a week, three credits. Not offered in 1915-1916.

5. **Prose Reading.—**
Luther, Schiller, Goethe, Scheffel. Conversation.
Prerequisite, course 3 or equivalent. First semester, three hours a week, three credits.

6. **Narrative Poetry.—**
Hermann und Dorothea and selections from different authors. Conversation and composition.
Prerequisite, course 3 or equivalent. Second semester, three hours a week, three credits.

7. **Lyric Poetry and the Modern Novel.—**
Readings from authors of the seventeenth and eighteenth centuries.
Prerequisite, course 3 or equivalent. Second semester, three hours a week, three credits.

8. **History of German Literature.—**
Prerequisite, course 4, 5, 6 or 7. First semester, three hours a week, three credits.

9. **Teachers' Course.—**
Readings from different authors, drill in grammar, syntax, idiomatic German, word formation, composition. Lectures concerning methods of teaching, a survey of the development of the German language based on Benhagel's Deutsche Sprache. Opportunity is given to teach in the class or in high schools of the state.
Prerequisite, courses 3, 7 and 8 or 3, 4 and 5. One year, two hours a week, four credits.

10. Middle High German.—

Grammar, the Niebelungen Lied.

Prerequisite, course 6. Second semester, three hours a week, three credits.

11. Faust.—

Prerequisite, course 6. First semester, three hours a week, three credits.

Greek

PROFESSOR HALL

Courses 1a and 2a are not counted toward a major or minor.

1a. Grammar.—

A study of the elements of the language. Drill in form, vocabulary, syntax, and composition, preparatory to the Anabasis.

One year, four hours a week, eight credits.

2a. Anabasis.—

A thoro syntactical study and reading of four books of Xenophon's Anabasis with prose composition and sight translation.

One year, four hours a week, eight credits.

1. Xenophon or Lucian.—

The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war; or Lucian's Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age.

First semester, four hours a week, four credits.

2. Homer or Herodotus.—

The Iliad, Books I-IV in literary and grammatical study; or Herodotus, stories, and selections from Book VII, with a careful consideration of accidence and syntax, of the Ionic dialect.

Second semester, four hours a week, four credits.

3. Athenian Orators.—

Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure.

Prerequisite, course 2a. First semester, three hours a week, three credits.

4. Plato.—

The Apology and Crito. Socrates and his teachings, with readings from Xenophon's Memorabilia.

Prerequisite, course 2a. Second semester, three hours a week, three credits.

5. The Drama.—
Selected plays of Aeschylus or Euripides and Aristophanes. Rise and development of tragedy and comedy. The Greek theater and production of plays.

Prerequisite, courses 1, 2, 3 and 4. First semester, three hours a week, three credits.

6. English Course in Greek Literature.—
Studies in the elegiac, lyric and dramatic poets of Greece, for students having no knowledge of Greek.

Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

7. The Odyssey.—
Selections from Books I-XII. Sight reading. Literary study of the whole poem from the English translations of Palmer and of Butcher and Lang.

Prerequisite, courses 1, 2, 3 and 4. Second semester, three hours a week, three credits.

8. Lyric Poetry.—
Selections from the elegiac and lyric poets.

Prerequisite, courses 1, 2, 3 and 4. Second semester, two hours a week, two credits.

9. The Greek Testament.—
This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek. The aim is to master a good working vocabulary, the main characteristics of New Testament Greek and to get some practice in Greek exegesis.

Prerequisite, fifty-two credits. One year, two hours a week, four credits.

10. Classic Mythology.—
A study of the more important myths of Greece and Rome with special attention to their use in English literature.

Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

History

PROFESSOR FUNK, MISS GIBSON AND MRS. HODGMAN

Students who major in this department ordinarily will be required to take courses 1, 2, 5 and 6. Courses 1, 5 and 6 are open to freshmen. If taken by juniors or seniors they will count for only

two credits a semester. Students choosing history as a minor are recommended to pursue courses 5, 6, 4 and 9. Those majoring in this department will be expected to secure at least eighteen credits in related subjects, such as economics, sociology, political science, and the history of philosophy.

1. **Early European History and the Middle Ages.**— PROFESSOR FUNK

From 31 B. C. to 1300 A. D. A suitable text-book, sources, and documents form the basis of the work, supplemented by collateral reading, and topical reports.

One year, three hours a week, six credits.

2. **English Political and Constitutional History.**— PROFESSOR FUNK

This is a study of the political and constitutional development of England from the Norman Conquest until 1815. Collateral reading and a thesis are required.

One year, three hours a week, six credits.

3. **The Renaissance and the Reformation.**— PROFESSOR FUNK

This course covers the period from 1300 to 1648. The greater part of the first semester is devoted to the Renaissance and the remainder of the year is given to the Reformation. Topical reports and a thesis are required.

One year, three hours a week, six credits.

4. **The French Revolution.**— PROFESSOR FUNK

In this course the causes bringing about the fall of the Bourbons, the revolution proper and the Napoleonic era are studied.

First semester, three hours a week, three credits. Not offered 1915-1916.

5. **American History.**— PROFESSOR FUNK

From the adoption of the constitution to 1850.

First semester, three hours a week, three credits.

6. **American History.**— PROFESSOR FUNK

From 1850 to the present time.

Second semester, three hours a week, three credits.

7. **American Colonial History.**— PROFESSOR FUNK

Beginning with the earliest settlements in the colonies this course aims to trace the development of those institutions and forces which led to American independence. It also includes a study of the making of the constitution and its adoption.

First semester, three hours a week, three credits.

8. The Westward Movement.— PROFESSOR FUNK
This is a study of the westward extension of the United States and of the economic and political development resulting from this expansion.

Prerequisite, course 7, or courses 5 and 6. One year, three hours a week, six credits. Not offered 1915-1916.

9. Modern European History.— PROFESSOR FUNK
From 1815 to the present time. Special attention is devoted to the establishment of constitutional governments and the industrial evolution of this period.

Second semester, three hours a week, three credits.

10. History of Rome.— MISS GIBSON
A systematic study of the social and political development of the Roman nation and the causes of its downfall. Course will consist of text-book work, collateral reading and lectures. Recommended to those intending to teach Latin and History.

One year, three hours a week, six credits. Not offered 1915-1916.

11. History of Greece.— MISS GIBSON
A study of the political and social development of the Greek states to the time of their incorporation into the Roman Empire. Special attention will be given to the permanent influence of Greek civilization. Text-book work, reading, lectures.

One year, three hours a week, six credits.

12. History of Fine Arts.— MRS. HODGMAN
A study of the development of architecture, sculpture and painting thru the various periods of ancient, medieval and modern art. An effort is made to familiarize the student with the great masterpieces by means of photographs, stereopticon lectures and visits to the art galleries in St. Paul and Minneapolis.

One year, one hour a week, two credits.

Home Making

ADJUNCT PROFESSOR WHITRIDGE

3. The House.—
(a) Evolution of the modern home from primitive conditions. Its object. Selection of site with regard to climate, soil, drainage and neighborhood. Location of house with regard to exposure, light and prevailing winds. Study of house plans to meet the

requirements, comfort and convenience of the family for which the house is intended. Drawing of specific plans.

(b) Household Art.—

Furnishing the house from the standpoint of good taste and economy. Value of form, color, design and materials in interior decorations. Wallpapers, carpets and curtains. History of furniture. Household management.

One year, two hours a week, four credits.

4. **Social Culture.—**

The hospitality of the home. The forms and customs known and observed in community life.

Second semester, two hours a week, one credit.

Latin

Associate Professor Burgess
Adjunct Professor Gibson

Courses A and B are not counted toward a major or minor.

A. **Beginning Latin and Nepos.—**

Two-thirds of the year are devoted to the study of declensions and conjugations, syntax and vocabulary, translation to and from the Latin, and to conversation. The last third of the year is devoted to Nepos' Lives.

One year, five hours a week, eight credits.

B. **Caesar and Cicero.—**

Caesar's Commentaries will be studied for the first semester, with prose composition. Cicero's Orations, the second semester.

One year, four hours a week, eight credits.

1. **Freshman.—** Professor Burgess

Cicero, De Senectute; Livy, selections from books I, XXI and XXII; Pliny's Letters. In this course the aim is to fix the student's knowledge of grammatical forms and syntax, and, by constant drill and prose composition, to familiarize him thoroly with fundamental principles and enlarge his vocabulary.

Prerequisite, four years' work in Latin equivalent to the course in Baldwin School. One year, four hours a week, eight credits.

2. **Sophomore.—** Miss Gibson

(a) First semester:—Horace, Odes, Epodes, Satires and Epistles. A thoro knowledge of forms and syntax is presupposed. Much time is spent on literary content and style.

A thoro study is made of the life of Horace, his literary art and prosody. Thruout the course are noted the conditions in the Roman literary world and the various phases of life and politics under the Early Empire.

(b) Second semester:—Germania and Agricola of Tacitus or some other prose work, illustrative of the language, character of thought, social and political conditions of the Silver Age. Juvenal's Satires; private life of the Romans.

Prerequisite, course 1. One year, three hours a week, six credits.

3. **The Latin Drama.**— PROFESSOR BURGESS

Plautus, Terence, The Senecan Tragedies. A study of representative plays with lectures and topical work on the sources and treatment of material, social conditions, the theater, actors and spectators.

First semester, three hours a week, three credits.

4. **Roman Philosophy.**— PROFESSOR BURGESS

(a) Lucretius and Epicurean philosophy. This course consists of the reading and interpretation of the text of Lucretius with a study of his philosophy and its sources. (b) Cicero.—The New Academy. (c) Seneca.—Stoicism. A study of the dialogs of Seneca and a survey of Stoicism in Rome.

One year, three hours a week, six credits.

5. **Letters of Cicero.**— PROFESSOR BURGESS

A course for those intending to teach Latin. In addition to the translation of selections from the Letters, collateral work will be assigned to familiarize the student with the life of Cicero, social and political conditions under the Republic.

One semester, two hours a week, two credits.

6. **Grammar and Composition.**— PROFESSOR BURGESS

A course in advanced composition and a study of prose style and of grammatical rules and principles.

One semester, two hours a week, two credits.

7. **Teachers' Course.**—

This course is designed to prepare students to teach the Latin of secondary schools. A study is made of the cultural and educational value of Latin; its relation to the English language and literature and the Romance languages; its use in the terminology of the sciences, the law and other professions. Roman civilization as a basis for our own. Mental training. Based on

BY CLARMORE H. CLARKE
FACULTY AND STUDENT BODY
MACALESTER COLLEGE
MARCH 1911

Sabin's Relation of Latin to Practical Life and Kelsey's Latin and Greek in American Education. A study of grammar, Nepos' Lives, Caesar, Cicero, Virgil and Ovid from the standpoint of the high school teacher. The place of each in the curriculum.

One year, three hours a week, six credits.

8. **Roman Elegiac Poetry.**— PROFESSOR BURGESS

Selections from Catullus, Tibullus, Propertius and Ovid with a study of the rise, development and characteristics of Roman elegiac poetry.

One semester, three hours a week, three credits.

9. **Roman Law.**— PROFESSOR BURGESS

This course consists of translation of the text of the Institutes of Justinian and a study of Morey's Outlines.

One semester, two hours a week, two credits. Prerequisite for courses 3 to 9, courses 1 and 2, or course 1 completed with a grade of A.

10. **Roman Archaeology.**—

This course designs to familiarize the students with the city of Rome and to enable them to feel that if placed in the audience of Cicero before the Rostra, they would be familiar with their surroundings and could find their way about the Capital of the World. To bridge the gap between modern Rome and the ancient city, a study is made of the ruins remaining, bridges, roads, walls, fora, temples, theaters, amphitheaters, circuses, thermae, arches, tombs, sculpture. A study of the Campagna and Roman building materials. No knowledge of Latin is required.

Prerequisite, a course in Roman history. First semester, two hours a week, two credits.

Mathematics and Astronomy

PROFESSOR KINGERY

Courses 1a and 9 are not counted toward a major or minor.

1a. **Solid Geometry, Algebra and Trigonometry.**—

This course is for those who present only two units in high school mathematics.

One year, three hours a week, six credits.

1. **College Algebra.**—

Graphic representation of functions, ratio and proportion, variation, theory of quadratics, progressions, series, etc.

First semester, four hours a week, four credits.

2. Trigonometry and Analytic Geometry.—
Definitions of trigonometric functions, development of formulae and their application to the solution of problems, plane and spherical. This is followed by a brief course in analytic geometry, sufficient for elementary courses in physics and astronomy.
Second semester, four hours a week, four credits.

3. Analytic Geometry.—
This is a continuation of course 2. Equations of straight lines and the principal curves and their tangents are discussed by both rectilinear and polar co-ordinates.
Prerequisite, course 2. First semester, three hours a week, three credits.

4. Differential and Integral Calculus.—
A brief study of the principles of differential calculus based on theory of limits, followed by a short course in integral calculus.
Prerequisite, course 3. Second semester, three hours a week, three credits.

5. Advanced Calculus.—
Continuation of course 4.
One year, three hours a week, six credits. Not offered 1915-1916.

6. Surveying.—
Prerequisite, course 2, Second semester, three hours a week, three credits. Not offered 1915-1916.

7. Advanced Algebra and Geometry.—
Intended especially for those preparing to teach.
Prerequisite, course 1. One year, three hours a week, six credits.

8. Astronomy.—
Text-book, lectures and practical work with sextant, transit and clock.
Prerequisite, course 2. One year, five hours a week, six credits.

9. Mechanical Drawing.—
A course designed for those taking shop work or preparing for technical schools.
One year, four hours a week, two credits.

The Mental Sciences and Philosophy

PROFESSOR ANDERSON

1. Psychology.—
An introductory course covering the main features of normal human psychology:

(1) A brief introduction in experimental work, intended to accustom the student to introspective study and to give him an insight into the methods of modern psychological investigation.

(2) A survey of the more prominent aspects of the conscious life. This part opens with a synopsis of the nervous mechanism and is followed by a consideration of the sensations, perceptions, affections, memories, judgments, etc. The work is carried on by means of text-books, collateral readings, lectures, observations by the student, and experiment. Required in all courses.

Prerequisite, twenty-four credits. First semester, five hours a week, five credits.

1a. Advanced Psychology.—

A course designed to study more exhaustively certain problems suggested in course 1, in the domain of comparative, social and educational psychology. The psychology of animals, of races and of society are taken up; then the mental life of childhood and adolescence; and, finally, the bearing of the science upon education, business and professional life is studied.

Prerequisite, course 1. One year, three hours a week, six credits.

2. Logic and Scientific Method.—

This is a study of the instruments of thought and investigation and of the methods and tests of proof. Aside from the culture aspect of the study, it is of interest to the student of science, as elucidating the procedure of science; it is of interest to the student of oratory and literature, as forming the basis of all plans and methods of procedure in exposition and argumentation; it is of value to the teacher, since it furnishes the analysis of teaching methods from the content side, just as psychology does from the conscious side. In order to make this discipline as valuable as possible, logical definition and division receive attention, and their relation to literary work is shown. Much attention is given to fallacies and the analysis of fallacious reasoning. The use of hypothesis, analogy and probability, and the methods of scientific experiment and verification are explained and illustrated. Thruout extensive use is made of practical exercises in order to fix principles and develop ability to use them.

Prerequisite, twenty-four credits. One year, two hours a week, one of which is used as a laboratory hour; three credits.

3. Ethics.—

This course begins with an historical sketch of ethical theories and of the conceptions of life that have been held. Next, the psychological facts and the philosophy of ethics are investigated in order to gain an adequate basis for ethical theory. Finally, the problems of practical ethics are taken, particular consideration being given to certain of them, which are now occupying the thoughts of men. The attempt is made in this course to develop a system of thought that does justice to Christian motive and doctrine and is, at the same time, based upon a proper scientific and philosophical basis. Required in all courses.

Prerequisite, course 1. Second semester, three hours a week, three credits.

Philosophy seeks a consistent view of the world and of life; it seeks the meaning to life and reality. It is cultural in character; it would correct the one-sidedness of the mere specialist and correlate the results of general study. The four courses in philosophy which follow are arranged in two pairs offered in alternate years. The student may begin with either pair.

4. History of Philosophy, Ancient and Medieval.—

Beginning with the early Greeks, this course follows the course of philosophic thought down to the period of Bruno, with the purpose of noting the development and relationships of the chief philosophical concepts. Attention is concentrated upon the leading thinkers and on the movement of thought. Collateral readings in Plato and Aristotle are required.

Prerequisite, fifty-four credits, unless by the approval of the instructor. First semester, three hours, three credits. Not offered 1915-1916.

4a. History of Philosophy, Modern.—

Continuing the preceding: from Bruno to the present time. Constant use of Rand's classical Modern Philospohers is made for collateral reading.

Prerequisite, seventy credits, unless by the approval of the Instructor. Second semester, three hours, three credits. Not offered 1915-1916.

5. Modern Philosophy.—

(a) Introduction to Philosophy. The purpose is to bring before the student the chief problems of philosophy, to exhibit in outline the courses of argument by which various views are sup-

ported, and to formulate some positive views respecting the problems of the world that confront us.

(b) The latter part of the semester will be given to the study of some modern thought movement. Next year it will consist of a study of Pragmatism, as formulated by James and others.

Prerequisite, sixty credits, unless with the approval of the instructor. First semester, three hours, three credits.

5a. Modern Philosophy (continued).—

The course here offered will take up one or more of the most important modern systems of thought. It will be both expository and critical. Next year the work offered will be in the philosophies of Eucken and Bergson. The course will require collateral readings and comparative studies in other philosophers.

Prerequisite, course 5. Second semester, three hours a week, three credits.

6. Advanced Logic and Scientific Method.—

A course covering the same general ground as course 2, but much more thoroly. It consists of two parts:—

(1) Formal logic, with a closer study of logical theory and concepts, modal propositions, etc. With it will be given a brief course of lectures on genetic logic.

(2) Scientific method. A more complete study of the methods of science, including statistics, probability, etc. As a part of this course will be included a brief course of lectures on the history of science.

Collateral readings are required on the methods and aims of science as stated by distinguished men of science themselves.

Prerequisite, course 2. One year, two hours a week, four credits.

Physics

PROFESSOR ALEXANDER

Course 1 is not counted toward a major.

1. Short Course.—

This is a short course which covers the entire subject in one year. Demonstrations in connection with the lectures are substituted for a considerable amount of the individual laboratory work that is done by the student in the long course, and some of the more technical features of the subject that are not of general importance are omitted. The aim is to offer a thoro year's work in the general principles of physics to

those who are taking courses which will not permit them to take the regular long course in the subject. It is recommended only to those who are taking classical or literary courses, or a two-year course in preparation for some school of medicine.

Prerequisite, Mathematics, course 2. One year, six hours a week, eight credits.

2. Mechanics, Sound, Heat.—

This course includes a thoro study of mechanics, sound and heat. A large part of the time is spent in laboratory work and the student's conceptions of physical laws are developed as largely as possible from observation and experiment. About forty quantitative experiments are performed by each student in the laboratory, the aim being to afford a working knowledge of modern measuring instruments of precision and to develop quantitative methods, as well as to discover and verify the laws of nature. Careful attention is given to the problem of the errors in measurement, the student being required in each case to consider the origin of the errors and methods for their elimination and to compute the probable errors of observations and results.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits.

3. Electricity and Light.—

This course includes a thoro study of electricity and light. Forty experiments are performed, thirty-five of which are in electricity, giving the student an opportunity to familiarize himself with electrical measuring instruments. The work in light includes measurements with the photometer, spectrometer and interferometer.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits. Not offered 1915-1916.

Courses 2 and 3 together constitute what is termed the long course in physics and are designed especially to meet the needs of students taking a scientific course. These two courses together with applied mechanics 2 afford excellent preparation for teaching physics in secondary schools.

4. Advanced Physics.—

In this course a thoro study is made of some topic approved by the head of the department. The work is largely individual and experimental. The aim is to deepen rather than to broaden the student's knowledge of the subject and to cultivate a taste for research. Those who major in physics are required to take this course as a basis for their theses.

Prerequisite, course 2 or 3. First semester, four hours a week, two credits.

5. Laboratory Technic.—

In this course a study is made of the design, construction, operation and repair of the more elementary laboratory apparatus and of the use and manipulation of laboratory materials. The aim is to afford those students who are preparing to teach physics a practical working knowledge of the physical laboratory.

Prerequisite, course 1, 2 or 3. Second semester, four hours a week, two credits.

Applied Mechanics

PROFESSOR ALEXANDER

1. Elementary Applied Mechanics.—

This is essentially a general culture course in the applied mechanical principles. The work covers a study of the principles involved in modern methods of wood-working and the use and adjustment of wood-working tools; a study of the principles involved in working the various metals and of metal-working tools. The work in metals includes soldering, brazing, forging and the casting of brass and aluminum. For the latter work simple patterns are made in the pattern shop which, with the setting and pouring, introduces the student to the general principles underlying foundry work. The development and transmission of power, including steam and gas engines, water power, dynamos and motors is given considerable attention. The study of the mechanical principles is illustrated by practical exercises involving their application to modern methods. The object is to lead the student to an appreciation of the modern mechanical world, its methods and processes.

One year, five hours a week, six credits.

2. Manual Training, Teachers' Course.—

This course is designed for students who are preparing to teach manual training. It includes a short study of the history and development of the manual training idea in education; the development of a progressive set of exercises each one of which must be executed and submitted for criticism accompanied by a paper explaining the object of the exercise, the connection with preceding exercises and the points that will appeal to the pupils' interest and stimulate creative thought; visits to manual training and other shops in the Twin Cities.

Prerequisite, course 1 or its equivalent. One year, four hours a week four credits.

Social and Political Science

PROFESSOR DAVIS AND MISS UHL

The aim of this department is to acquaint the student as far as possible with the whole field of social life and activity.

All the courses may be counted toward a major or minor except 1 and 3, which can only be counted toward a minor. Only three credits will be allowed for courses 1 and 3 if taken in the senior year.

1. **Sociology.—**
Under this head are included the history, various theories and principles of the science. Important aims are to show the extent of the field, to arouse an interest in the study, and to correct methods of sociological investigation. The latest edition of Gidding's "Principles" will be used as a text book, but other systems will be presented and discussed.
Prerequisite, twenty-four credits. First semester, four hours a week, four credits.

2. **Advanced Sociology.—**
The time will be devoted to a more detailed study of the history of sociological doctrine, and to original inductive studies. The special subject will be Modern Social Problems.
Prerequisite, course 1. First semester, three hours a week, three credits.

3. **Political Economy.—**
A general survey is taken of the history, theories and generally accepted principles of the science. The latest edition of Gide's "Principles" will be used, supplemented by collateral studies in Adam Smith, Mill, Ricardo, Taussig, etc.
Prerequisite, twenty-four credits. Second semester, four hours a week, four credits.

4. **Advanced Political Economy.—**
Special attention is given in this course to the development of economic doctrine and the application of accepted principles to current problems. The special topic will be Business Organization or The Credit System.
Prerequisite, course 3. Second semester, three hours a week, three credits.

5. **Political Science.—**
The aim is to trace clearly the great and distinctive features in the governments of Europe and of the United States. Professor Gettell's "Introduction to Political Science" will be used as a basis of study.
Prerequisite, course 1. First semester, three hours a week, three credits.

WALLACE HALL, WOMEN'S DORMITORY

6. Financial History of the United States.—

An historical study of public revenues and expenditures, of public debts and of currency and banking in the United States. Special attention is paid to government reports.

Prerequisite, course 3. Second semester, three hours a week, three credits.

7. Roman Law.—

Morey's "Outlines of Roman Law" is used. The object is to acquaint the student with (1) the origin and development of Roman Law; (2) its relation to modern systems of State Law.

Prerequisite, course 1. First semester, three hours a week, three credits.

8. International Law.—

A brief course in the outlines of this important subject, offered to meet the increasing interest in international questions.

Prerequisite, course 1. Second semester, three hours a week, three credits.

9. Elements of Jurisprudence.—

Holland's "Jurisprudence" is used. The general subjects considered are Laws and Rights, Private, Public and Adjective Law, the object being to acquaint the student with the principles of fundamental law in their historical development and their practical application to the several phases of social life.

Prerequisite, course 7. Second semester, three hours a week, three credits.

A course in the Elements of Bookkeeping and Accounting is offered in Baldwin School, open to election by college students.

One semester, five hours a week, three credits.

Physical Training for Women

Theory.—

Personal Hygiene.—Short talks on the functions of the skin, the physiologic effects of water, hot and cold; bathing; care of the face; care of the hair, the hands, the feet; care of the mouth and teeth and their relation to good digestion; overeating and intestinal indigestion; fresh air; ventilation of bed rooms; care of the ears, throat and nose; deep breathing; the foot and the shoe; dress.

Practice.—Gymnastics:

1. Corrective exercises.—Walking, standing and sitting. Elementary work in stall bars, Indian clubs, bar bells, and bounding balls.
2. Parallel bars, ladder and incline rope.
3. Folk dancing.

Required, freshmen, one year, two hours a week, one credit.

Program of Studies

First Semester	Mon.	Tue.	Wed.	Thur.	Fri.	Second Semester
Bible, 1A	11:20		11:20			Bible, 1A
Bible, 1B		11:20		11:20		Bible, 1B
Bible, 1C			8:00		8:00	Bible, 1C
Bible, 1D	9:00			9:00		Bible, 1D
Bible, 2A		8:00				Bible, 2A
Bible, 2B			10:20			Bible, 2B
Bible, 2C				1:20		Bible, 2C
Bible, 3		8:00			8:00	Bible, 3
Bible, 4		10:20			10:20	Bible, 4
Bible, 5	10:20			10:20		Bible, 5
Bible, 9		9:00			9:00	
Bible, 12	8:00		8:00	8:00		Bible, 13
Bible, 15				2:20		Bible, 15
Biology, 1A	1:20††		1:20††			Biology, 2A
Biology, 1B		1:20††			1:20††	Biology, 2B
Biology, 3†		11:20		11:20	11:20	Biology, 4†
Biology, 5†			2:20		2:20	Biology, 6†
Biology, 9				1:20		
	11:20		11:20			Biology, 10
Chemistry, 1A†	3:20	10:20		10:20		Chemistry, 1A†
Chemistry, 1B†		10:20		10:20	3:20	Chemistry, 1B†
Chemistry, 3A†			9:00 11:20			Chemistry, 3A†
Chemistry, 3B†			11:20	3:20		Chemistry, 3B†
Chemistry, 5†		8:00	8:00		8:00	Chemistry, 5†
Education, 1		2:20	2:20	2:20		Education, 2
Education, 3	8:00	8:00		8:00		Education, 3
English, 1A		9:00		9:00 2:20		English, 1A
English, 1B	11:20		11:20	2:20		English, 1B
English, 1C	10:20		10:20	2:20		English, 1C
English, 1D		10:20		10:20 2:20		English, 1D
English, 2	9:00		9:00	9:00		English, 3
English, 4		9:00				English, 4
English, 8		8:00		8:00		English, 9
English, 11			3:20	3:20		
English Literature, 22	10:20		10:20		10:20	English Literature, 23
English Literature, 24		11:20		11:20	11:20	English Literature, 24
English Literature, 27	9:00	9:00		9:00		English Literature, 28
English Literature, 29		1:20	1:20		1:20	English Literature, 29
Expression, A1	11:20		11:20		11:20	Expression, A1
Expression, A2		11:20		11:20	11:20	Expression, A2
Expression, B		9:00		9:00		Expression, B
Expression, C		10:20		10:20		Expression, C
French, 1A						

German, 2	11:20	11:20		11:20	11:20	German, 1
German, 3	2:20	2:20	2:20		2:20	German, 2
German, 5	9:00	9:00		9:00		German, 3
German, 9	10:20			10:20		German, 6
Greek, 1a	8:00	8:00	8:00		8:00	German, 9
Greek, 2a	11:20	11:20		11:20	11:20	Greek, 1a
Greek, 1	10:20	10:20	10:20	10:20		Greek, 2a
Greek, 6			9:00		9:00	Greek, 2
Greek, 9	9:00			9:00		Greek, 10
History, 1		9:00	9:00		9:00	Greek, 9
History, 2		10:20		10:20	10:20	History, 1
History, 3	11:20		11:20	8:00		History, 2
History, 5	1:20		1:20		1:20	History, 3
History, 7		11:20		11:20	11:20	History, 6
History, 12			10:20			History, 9
Home Making, 3	2:20		2:20			History, 12
	10:20		10:20			Home Making, 3
Latin, 1		9:00	9:00	9:00	9:00	Home Making, 4
Latin, 2	10:20		10:20	1:20		Latin, 1
Latin, 4	11:20		11:20		11:20	Latin, 2
Latin, 10		11:20		11:20		Latin, 4
Latin, A**	8:00	8:00	8:00	8:00	8:00	Latin, 10
Latin, B**		9:00	9:00	9:00	9:00	Latin, A**
Mathematics, 1a**	11:20			11:20	11:20	Latin, B**
Mathematics, 1A		8:00	8:00	8:00	8:00	Mathematics, 1a**
Mathematics, 1B		9:00	9:00	9:00	9:00	Mathematics, 2A
Mathematics, 3	10:20		10:20		10:20	Mathematics, 2B
Mathematics, 8	9:00	11:20	11:20	7:30		Mathematics, 4
Mechanics, Applied, 1	{10:20* 2:20*}	10:20	2:20*			Mathematics, 8
Mechanics, Applied, 2		11:20			1:20††	Mechanics, Applied, 1
Philosophy, 1A	9:00		9:00		9:00	Mechanics, Applied, 2
Philosophy, 1B		9:00		9:00	8:00	Philosophy, 3A
Philosophy, 1a		11:20		11:20	11:20	Philosophy, 3B
Philosophy, 2	11:20		11:20			Philosophy, 1a
Philosophy, 5		10:20	10:20		10:20	Philosophy, 2
Philosophy, 6			8:00		8:00	Philosophy, 5
Physical Training		3:20		3:20		Philosophy, 6
Physics, 1		1:20*		11:20††	11:20	Physical Training
Physics, 2	11:20	2:20*	11:20	2:20*		Physics, 1
Physics, 4†		9:00				Physics, 2
Social and Political Science, 1	8:00		8:00	8:00	8:00	Physics, 5
Social and Political Science, 2	10:20	11:20		10:20		Social and Political Science, 3
Social and Political Science, 5		9:00		9:00	9:00	Social and Political Science, 4
Social and Political Science, 7		10:20	10:20		10:20	Social and Political Science, 6
						Social and Political Science, 8

*Hours marked with asterisk are double hours for laboratory work. **Sub-Freshman. †Laboratory hours to be arranged with the instructor. ††Three successive school hours; the last two being for laboratory. A few courses for which hours may be arranged more conveniently by the teacher are not included in the above program.

Baldwin School

Accredited to the North Central Association of Colleges and Secondary Schools.

Faculty

JOHN PORTER HALL, A. B., Principal.
Greek.

JAMES WALLACE, Ph. D.
Bible.

DAVID NEWTON KINGERY, A. M.
Mathematics.

RICHARD URIAH JONES, A. B.
Chemistry.

HUGH STUART ALEXANDER, A. M.
Physics.

GERTRUDE CRIST.
Commercial Studies.

MAY GIBSON, A. M.
Latin and English.

HAROLD OMER BURGESS, A. M.
Latin.

CHARLES BREMICKER, A. B.
German.

LILY ISABEL LEWIS.
German.

FARQUHAR DAVID McRAE, Ph. D.
Bible.

ESTHER ALLISON TIFFANY, A. B.
English.

RUTH VIRDEN SLAGG
Mathematics.

JOHN LYMAN SHEEAN
Mathematics.

LAURON HARMON LOVELACE
Manual Training.

General Information

Historical Sketch
Baldwin School

The Preparatory Department of Macalester College is known as "Baldwin School." It was founded by Rev. E. D. Neill, in 1853, thirty-two years before the opening of the College, and named after Mr. M. M. Baldwin, of Philadelphia. This gentleman had contributed liberally toward the development of Christian education in the Northwest and contemplated the establishment of a university which should bear his name. A charter for such an institution was obtained in 1864, providing also that the preparatory department should be called "Baldwin Grammar School." Mr. Baldwin's untimely death made impossible the establishment of the proposed university. In 1874 the founder of "Baldwin School" obtained a bequest for a college from Mr. Charles Macalester. In appreciation of this gift the charter for "Baldwin University" was revised, the institution being named "Macalester College," and it was further provided "that the preparatory department of said Macalester College shall be known as the Baldwin School." From 1885 to 1890 the catalogs of the college omitted the legal title of "Baldwin School" in describing its courses, referring to it only as the "Preparatory Department." The founder of the School having directed the attention of the Board of Trustees to this omission, the Board ordered that in subsequent catalogs the academy be designated as "Baldwin School." This request was observed during the next four years. Then the description of the preparatory department appears under the caption:—"Macalester Classical Academy." As this name had been adopted without any change in the charter legalizing it the Board of Trustees in 1910 again directed the restoration of the original and charter name of the academy, "Baldwin School." That name it now bears.

Admission and Courses

In accordance with the plan, adopted by the Board of Trustees, of Macalester College, at the annual meeting in June, 1913, to discontinue the activities of a preparatory department, only work of the senior year will be offered next year in Baldwin School.

Scholastic requirements for entrance in September, 1915, will be three years of high school work or their equivalent.

Credits from approved schools will be accepted in lieu of examinations for entrance.

Two courses are offered, Classical and Scientific.

The languages of the Classical Course are Latin, and Greek or German. The Scientific substitutes science for the Latin of the junior and senior years.

Other requirements of both courses are stated in the synopsis of courses of study.

Sub-freshmen or elementary courses open to students of Baldwin School are listed in the description of college courses, in the departments of French, German, Greek, Latin and Mathematics.

Edwards' Prize

Mr. W. R. Edwards and Mr. B. K. Edwards, of St. Paul, present, in memory of their father, Mr. W. C. Edwards, a gold medal to that member of the senior class who is graduated with the highest standing. This prize was awarded last year to Ruth Ludlow Moore.

Synopsis of Courses of Study

Senior Year.

		Classical		Scientific	
		1st Sem.	2d Sem.	1st Sem.	2d Sem.
Bible		(2)	(2)	(2)	(2)
English		(4)	(4)	(4)	(4)
Latin		(4)	(4)	..	..
Greek, German	elect one	(5)	(5)	(5)	(5)
Physics, Chemistry, Biology, Manual Training	elect two	..	..	(4)	(4)
Physics, Chemistry, Biology, Manual Training, Accounting	elect one	(4)	(4)	..	..

Classical course must include one year of science.
Figures refer to number of hours per week.

Program of Studies

Subjects and Class	Mon.	Tues.	Wed.	Thur.	Fri.
Bible, S.	.....	.....	1:20	.....	1:20
Biology	10:20	9:00	11:20	9:00	.....
Chemistry†	.....	10:20	.....	10:20	.....
English, S.	8:00	1:20	8:00	1:20	.....
German, S.	.....	10:20	10:20	8:00	10:20
Greek, S.	11:20	11:20	.....	11:20	11:20
Latin, S.	.....	9:00	11:20	9:00	8:00
Manual Training	2:20*	2:20*	1:20	2:20*	.....
Physics	9:00	11:20	9:00	.....	9:00

*Periods marked with the asterisk are double periods for laboratory work.

†Laboratory hours in chemistry are to be arranged with the instructor.

Macalester College Conservatory of Music

N. W. Phone, Midway 2656
Wallace Hall, Summit and Macalester Avenues

HARRY PHILLIPS
Director of Conservatory

HELEN E. BRIGGS
Representative

MABEL R. REED
Secretary

HARRY PHILLIPS, Director*
Voice Culture.
GEORGE HERBERT FAIRCLOUGH,*
Piano, Organ, Theory.
HEINRICH HOEVEL,*
Violin, Viola.
HELEN E. BRIGGS,*
Piano, Harmony.
A. PEPINSKY,*
Violin, Viola.
EMILY GRACE KAY,*
Piano, Harmony.
ALICE E. HOLEN,†
Piano.
BESSIE A. GODKIN,†
Piano.
HELEN M. SCHUTTE,†
Assistant in Violin.
MYRTLE WEED,†
Piano.
CHARLOTTE BURLINGTON,†
Assistant in Piano.
MABEL R. REED,†
Assistant in Piano.
N. BRIGLIA,*
Flute.
LEONARDO DE LORENZO,*
Flute.
F. SCHELD,
Cello.
JENNIE STANLEY HODGMAN,*
History of Fine Arts.
EMMA GREENE,†
Guitar, Banjo, Mandolin.
WALTER LIENKE,†
Cornet.

Leading instructors for all other instruments.
*American and European education.
†American education.

Conservatory of Music

This school was established to offer a thoro course in music in connection with the college work. The aim was to develop an institution according to collegiate and university standards, employing the best modern methods. The result has been very gratifying. The conservatory has passed by gradual growth to an established institution. Its graduates and former students are filling places of honor and success, many of them in professional life, while those who are occupied in business or social life are giving pleasure to those around them, by their musical attainments.

During the summer of 1913, the St. Paul College of Music was purchased and merged with the conservatory. The increasing enrollment of students indicates the appreciation of its standards, not only by its patrons, but the general public. The past year has been, by far, the most successful in the history of the conservatory. It is outgrowing its home and to accommodate its increasing patronage must, in the near future, secure more commodious quarters. Those who realize the present need, have in their vision a new music hall, fully equipped to meet the growing demands of the times and of a style of architecture beautiful in its symmetry, to typify the art for which it shall stand. May trustees, alumni, patrons, teachers and the friends of the conservatory make that vision a reality!

The Faculty

The conservatory has made for itself a prominent place in the Northwest by its ideals, the strength of its faculty and the scope and thoroness of its curriculum.

It is fortunate in being affiliated with a college, whose president is favorable to and desirous of a strong school of music; also in having a director thoroly conversant with all phases of musical education and capable of planning in a large way for the future. Its instructors are earnest, successful men and women of broad musicianship and general culture. Most of them have had training in Europe's most renowned conservatories with artist teachers, aside from their education under the best American musicians. The others have had splendid American training. Those not mentioned in connection with special departments and courses are,—

Miss Godkin, a well-equipped musician, who has been a valued member of the faculty for several years; Miss Holen, formerly with the St. Paul College of Music, and Miss Weed, all accomplished musicians and successful teachers; Mr. Scheld and Mr. Briglia, men of talent in their respective lines of teaching; Miss Schutte, assistant in violin and student both at St. Paul College of Music and here; Miss Greene, an able and experienced teacher of small stringed instruments.

Advantage of Conservatory Instruction

In a conservatory the music student is given not only every advantage which instruction with a private or independent teacher can offer, but many other opportunities as well.

Class work, in such musical subjects as harmony, counterpoint, fugue, composition, analysis, form, musical history, etc., is, in most cases, far better than private instruction. The exchange of ideas and regularity of lessons quickens musical perception and activity and brings results not obtained otherwise. Lectures and recitals also aid in creating musical atmosphere, which is invaluable. The inspiration gained in such environment is as essential to those pursuing the study of music as a recreation as it is to the more serious student, who expects to enter the professional life.

Value of Combined Conservatory-College Life

The lover of music, if a college student or graduate, is a more appreciative listener than he who has simply the natural love for the art.

To the student in a conservatory closely allied with a college there are many cultural opportunities of great importance in the development of a broad musicianship; also, to the college student, the atmosphere created by the conservatory is of great value in developing the appreciation of the principles of the musically beautiful, an essential in a liberal education. Conservatory students are urged to attend the college events and the college students those of the conservatory.

Course of Study

The Conservatory of Music offers a thoro course of instruction in voice, piano, organ, violin and other stringed instruments; also a theoretical course including harmony, counterpoint, com-

position, musical history and analysis. In each branch of musical study a systematic course, leading to graduation, will be pursued. Time required for completion varies—the length of course depending on the pupil's ability and intelligent devotion to work.

There is a preparatory, a junior and a senior year, bounded at the beginning by strict entrance requirements and at the end by a degree of Bachelor of Music. The required studies of the preparatory year include, besides the major subject, as piano, voice, organ or violin, two hours weekly of harmony, one of history of music, one of sight-reading, one of recital, one of chorus, five hours' study of English, German, or any subject for which the student is prepared,—studies all receiving due credits in the College or Baldwin School. Compulsory requirements are a new feature of this preparatory year.

The junior year continues the studies begun as preparatory, working into the more advanced harmony, history, recital and chorus, and substituting for sight-reading, ensemble playing, hymn playing in college chapel for organ students, chamber music and orchestral playing for violin students, and an additional year of piano for vocal students. Normal training course is to be taken in this year. Students satisfactorily completing this year of work will be given a teacher's certificate if desired.

The senior year requires of all students study of appreciation of music, history of the fine arts, and the writing of a graduation thesis,—of the piano students a year of vocal and a half year of accompanying, besides advanced work in harmony and recital; of the vocal students, a third year of piano and a year of Italian, advanced work in harmony, recital and chorus; of the organ students, a third year of piano and a year of vocal, advanced work in harmony, recital and chorus; of the violin students, a third year of piano and a year of vocal, advanced harmony, recital and chorus.

New students entering for the senior year and desiring the teachers' certificate must make arrangements for the Normal course. Upon completion of the senior year, a diploma from the Conservatory of Music is awarded.

The degree of Bachelor of Music, which is given by several of the best schools, Syracuse, Northwestern and others, represents at Macalester a student's successful conclusion of a difficult course sealed by the approving stamp of the music faculty. Candidates for this degree must, in addition to the requirements of the senior

year, have finished high school work in full and a year of college work, consisting of languages, physics of music and desired electives.

Aside from the regular courses, special courses to fit the needs of any pupil are planned. We urge all to select as far as possible such courses and studies as will develop a well rounded musicianship.

Those, however, not desiring to graduate or select any special course may pursue such musical studies as suit their taste.

Classification

Upon entrance pupils are examined, classified and placed in their fitting grade, by the director.

Entrance.—Pupils who expect to graduate must enter at the beginning of the school year. Those not wishing to graduate may enter at any time in the year. Completion of the eighth grade is required for entrance.

Teacher's Certificate.—Teachers' certificates will be given to all pupils who have taken the Normal course and completed the junior year in full to the satisfaction of their individual teachers; along with two units of English, besides the five hours required each year in regular course.

Diploma from the School of Music.—A student, to receive a diploma, must have completed the work of the senior year in full, written a graduating thesis, given a whole or such part of a program as the director may decide upon, and taken part in the graduating program of the Conservatory of Music. Further, graduates must have completed the equivalent of eight units of the course of the high school including two units of English, in addition to the five hours required each year.

Diploma with the Degree of Bachelor of Music.—Students who wish to take this course in music must, in addition to the required five hours a year, have completed high school work in full, and must take the equivalent of one year in college work. This work in college is to be made up as follows:—English, 1; Physics of Music; German, one year; French, one year; electives. Every music pupil must thruout the course take five hours of work in college or school.

Special courses are offered those living in the city who do not wish to take the regular course.

Music as a College Elective

Music, instrumental or vocal, may be taken as an elective in the junior and senior years of college work, provided the student

is sufficiently proficient to do advanced work. A minimum of six hours a week must be devoted to the study, and it will not be credited for more than two hours per week. The fitness of the student to take up this elective will be determined by examination, and the expense of the instruction must be borne by the student.

Voice Culture

In the department of vocal music, those methods which experience justifies as being at once effective and artistic in their results have been adopted. It is the policy to secure a systematic and thoro culture on the basis of the best Italian methods.

Undisciplined voices require the utmost care and attention at the very commencement of training; therefore, if the future voice is to be at all agreeable and pleasant, the preliminary work must be perfectly mastered before proceeding further.

Intermediate Year.—The method book called "Voice and Song" is a compilation of all that is best in former treatises. It sets forth in a clear, logical and uncommonly practical manner the principles of singing, and has the most satisfying directions for instruction and practice. The material in this book, with vocalises by Sieber, Concone, and the study of songs, ballads by Larsen, Grieg, Buck, Gounod and others, makes the first year's work complete.

Junior Year.—Studies in phrasing and rapid execution, German Songs by Mozart, Schubert, Schumann, Liszt, Franz, Beethoven, etc., also some of the lighter selections from the operas.

Senior Year.—Oratorio in all forms, Bach, Haydn, Haendel, Mendelssohn, Gounod, Verdi. Selections from the heavier operas and songs of the modern school. Frank, Wolf, Homer, Tours, Massenet, Dvorak, Ronald, Nevin, Ganz.

Every student graduating in vocal music must have at least one year of German.

Postgraduate Course.—Aims to develop the artistic sense to a still greater degree, according to art traditions.

Harry Phillips, Director of the Conservatory, has had charge of the vocal department for many years. His thoro education, both in this country and abroad, and his wide experience in musical matters, have established him as a prominent educator of the Twin Cities. For several years he has held positions of distinction in the musical life of St. Paul and Minneapolis churches, as soloist and director of choruses. He has filled many engagements as

soloist thruout the Northwest and with the Minneapolis and St. Paul Symphony orchestras. Many of his pupils are filling important positions as choir soloists and teachers.

Pianoforte

Individual instruction is given and the regular course calls for one hour's instruction per week, divided into two lessons of thirty minutes each. Where but one lesson a week is taken, the lesson will be forty-five minutes in length.

Preparatory.—Thoro grounding in hand, finger and arm training. Rudiments of music. Easier studies to suit capabilities of each pupil. Pupils are thoroly prepared for the entrance into the three years' course.

Intermediate.—Czerny, Velocity Studies; Bertini, Loeschorn, Heller, etc.; Bach—Little Preludes and Fugues; Sonatinas and Easy Sonatas.

Junior Year.—Czerny, Op. 740; Cramer-Bulow, Fifty Selected Studies; Heller, MacDowell, etc.; Bach—Two- or Three-Part Inventions, French Suites; Sonatas of Mozart, Haydn and Beethoven.

Senior Year.—Clementi, Tausig, Gradus ad Parassum, Czerny, Op. 740, Chopin Etudes, Kullak Octave School, Bach's Forty-eight Preludes and Fugues; Sonatas and Concertos of Beethoven and other masters. Repertoire from classical and modern composers.

In each grade, suitable pieces will be given as the pupil is ready for them.

Postgraduate.—Advanced work. Continuation of previous year. Concertos (with second piano or orchestra accompaniments).

Geo. H. Fairclough, in charge of the piano department, has given the conservatory several years of valuable musical experience. Educated under European masters, he is thoroly equipped as an instructor of the best modern methods. The success of many of his pupils on the concert platform and as teachers gives evidence of his musicianship.

He has served as president of Minnesota Teachers' Association and also as chairman of the Examination Board of the same organization.

Violin

The violin department has become a leading feature in the musical life of all conservatories. Year by year the number of

violin students is increasing. To keep pace with the demands of the time, this department of our school has been developed until today it presents exceptional advantages for the study of what is called "the most perfect musical instrument known."

The violin course is not expected to be followed strictly, nor does it claim to be complete. In the private lessons each pupil can be favored with studies which suit his or her special requirements. To secure the best results it is at times necessary to use other exercises than those mentioned. With the technical course a selection of compositions from the whole range of violin literature up to the present time will be used. These will be chosen from the representative composers of the different periods and schools, with the intention of giving the pupils a knowledge of the individual interpretation of each kind.

Preparatory Course

Dancla Violin Method, or Hermann Violin School; Wohlfahrt, Op. 45; Kayser, Op. 36; Hermann, Op. 20, Bks. I and II; Dancla, Op. 68; Mazas, Op. 36, Bks. I and II; Dont, Leonard, Op. 40; Sevcik, Op. 8 and 9; Hermann, Op. 29, Bk. II.

Developing Course

Kreutzer, Fiorillo, Rode, Mazas, Op. 36, Bk. III; Hermann, Op. 29, Bk. III; Campagnoli, Op. 18.

Finishing Course

Gavinies, Paganini, Wieniawski, Vieuxtemps, Op. 16; Sauret, Bach Sonaten.

Scales, bow and finger exercises will be used as needed to meet the requirements of the various pupils.

Students have the privilege of the tutelage of Mr. Hoevel, of Europe, and Mr. Papinsky, both exponents of the best violin schools and eminently successful in solo, ensemble and orchestral work. The former is recognized as an authority in his profession and was chosen on account of his reputation as an instructor. The latter has made an enviable record for himself in the musical life of St. Paul.

Pipe Organ

Before beginning the study of the pipe organ the student should have had at least one year's instruction on the piano and should have a thoro knowledge of the rudiments of music. The director of the department is organist of two leading churches in St. Paul,

St. John's Episcopal and Mount Zion Hebrew Temple. He is also Dean of the Minnesota Chapter of the American Guild of Organists. Many of the younger organists in St. Paul are, or have been, pupils of Mr. Fairclough.

Public School Music

Miss Kay was for four years a supervisor of public school music and is thoroly conversant with the most approved methods now in use. She is an enthusiastic instructor, with a love for her work in preparing her students for their chosen field of teaching.

One of the greatest inducements offered is the chance to visit different schools, and there get an idea of the practical side of the work as given in all the grades of the St. Paul and Minneapolis schools.

There is a steady and constantly increasing growth in the demand for competent men and women thoroly equipped for the teaching and supervising of music in public and private schools. There is, however, a corresponding advance in the preparation required, and it is no longer possible for one, however musical, to do satisfactory work without special training along well defined and systematic lines. This training is not only essential, but is demanded by superintendents and boards of education when employing teachers of public school music.

All students in public school music who are preparing to teach this branch will be required to take an examination in voice in order to receive a certificate, given by the Music Teachers' Association of Minnesota in their new plan of examining and classifying teachers according to their fitness for such work. School superintendents will require such certificates from all applicants.

The study of voice will be required of pupils in public school music to meet this demand.

Sight Reading

All pupils of vocal music must have at least one year of sight reading before receiving either a teacher's certificate or diploma. The cost of these lessons will be nominal. It is impossible to sing correctly and effectively at all times without an exact and practical knowledge of music and its notations. Miss Kay has charge of this class.

Normal Training Course for Piano Teachers

The demand of the times is for musicians equipped not only technically, but also in the art of imparting instruction. The normal course is designed to meet such demands and to give young teachers valuable assurance.

Miss Briggs has been in charge of the musical affairs of several of Minnesota's well known schools. This experience in connection with college, conservatory and private school musical work, also that gleaned from several years of successful private teaching in Colorado and Minnesota, make her work authorative, especially to those desiring to learn how to impart their knowledge to others.

Normal Courses for Voice and Violin

These courses cover one year. The object is to show students how to impart their knowledge to others. Those who expect to teach will find the lessons invaluable.

Theory

The importance of exhaustive and thoro work in the various theoretical studies cannot be too strongly emphasized. A rudimentary or fundamental course should precede ear training, sight singing, harmony, analysis, counterpoint (simple and double), canon and fugue (the supreme contrapuntal forms), orchestration and composition.

Ensemble Classes

The study of chamber music is a very important one to the advanced student of any instrument. The impetus to more thoro practice, mental activity, development of rhythm and color, and an insight into this particularly rich field of musical text, is of untold value. Both classic and modern music is studied. Students who come mainly for the study of piano, violin or any other instrument should, if possible, arrange for some work in this line.

Conducting

Students of required age and having adequate musicianship can make arrangements for this course.

Church Music

A course in church music is given if desired to advanced students.

Ensemble Piano Classes

For the development of correct time, rhythm, knowledge of text, etc., these classes are invaluable. All piano students should arrange for this interesting work with the director.

Art of Accompanying

Students having the required technic and musicianship are advised to avail themselves of the valuable opportunities presented in this course. The ability to play an artistic accompaniment is a valuable asset to any musician, whether in the social or professional world.

Special Corrective Lessons

Pupils having poor interpretation, time, fingering, phrasing, rhythm, etc., should arrange for corrective course. This may be taken from the teacher with whom they are pursuing their musical studies or from a special teacher.

Travel Classes

Travel classes for music students provide interesting study. Musical trips will be taken, mentally, to the homes and haunts of famous musicians. Illustrated talks will be a part of the work. The expense will not be great. This work will be in charge of Miss Briggs, and is a new feature in conservatory life.

History of Music

In the study of the history of music, which is obligatory to all music pupils, Mathews' Popular History of Music and Fillmore's Lessons in Musical History are used. Students also have access to all of the best and most complete works bearing on the study of the voice and piano.

Appreciation of Music

This class gives an opportunity for careful analysis of different forms and special works of music, bringing the student into close touch with the best in musical literature.

From time to time selections from the best composers are rendered by the students. Miss Kay presents both this subject and that of history of music in a very interesting, thoro manner.

Ear Training

Ear training may be taken at any time during the course. Pupils should begin this study as early as possible in their musical course, as it develops tone and harmonic thought, so essential to sound musicianship. It distinguishes the musician from the mere performer. Students are trained to write in correct notation, tones, intervals, chords, musical phrases, etc., which are played or sung to them.

Lectures

Interesting talks on musical subjects will be given during the year by the head of the piano department and others. Conservatory pupils will be admitted free.

History of Fine Arts

The study of the allied arts is of great cultural advantage to the musician in the development of artistic tastes. Instruction in the way of weekly illustrated lectures is given by Mrs. Hodgman, the wife of the president. Books of reference such as Luebke's History of Art, Marquand and Frothingham's History of Sculpture, Hamlin's History of Architectre, Van Dyke's History of Painting, and Apollo by Reinach are used. Visits to the T. B. Walker and other art galleries are made during the year.

Student Recitals

These opportunities for public performance are helpful in overcoming natural diffidence and nervousness, and in giving that confidence and poise so necessary to the successful player and singer.

Pupils also gain an ever-increasing knowledge of musical text, aside from that with which they come in contact in their own study. The instructors allow only such students as have reached a certain degree of proficiency to appear in recital.

Pupils who absent themselves from the frequent recitals given by the faculty and students will find that their credits will be affected.

Community Music

Social center programs were given at Mechanic Arts High School, Mounds Park, Douglas and Hancock grade schools by the students during the past winter. Instruction in voice and ear

training was also given by one of the conservatory normal students at the Schubert Club Settlement Music School, located in the Neighborhood House, West St. Paul. Students of the conservatory have also appeared as soloists and members of quartets and choruses in some of the prominent churches of the city.

Musical Organizations

Choral Society.—Each year a chorus under the direction of Mr. Phillips is formed for the purpose of studying some sacred cantata or oratorio, which, after thoro preparation, is given in the Westminster Presbyterian Church, Minneapolis, and the House of Hope Presbyterian Church, St. Paul. Haydn's "Creation" was given last year. The benefit of such work is of untold value to everyone, whether music student or not, and is open to all students who have good voices and wish to become members. The charge will be two dollars per year. The social feature is the annual picnic.

Orchestra.—A college orchestra, composed of students under the leadership of A. Pepinsky, an experienced musician in college musical life, is open to all students at a nominal fee of one dollar a year.

The orchestra is composed of those students who play orchestral instruments and covet the pleasure and benefits of orchestra experience. They meet once each week for rehearsal and are frequently called upon to furnish music on public occasions. A good class of music, reflecting in a measure the tastes and spirit of the performers, is studied, due attention being paid to the technical details necessary as a basis for an adequate musical interpretation. Thus the work is systematic and progressive, aiming, as it does, to instruct as well as entertain.

Euterpean Society.—A conservatory organization which brings the pupils together for social and musical recreation. Its object is to create good fellowship and musical development. The programs are varied and interesting. Students receive admission into this society by invitation. The dues are fifty cents per semester.

Course in Music

Preparatory Year

PIANO	Hrs.	Cred.
Piano 1st and 2d	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½

English, German or any other subject for which they are prepared.

VOCAL	Hrs.	Cred.
Vocal	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½

English, German. Elect German if less than two years.

ORGAN	Hrs.	Cred.
Organ	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½

English, German or any subject for which prepared.

VIOLIN	Hrs.	Cred.
Violin	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½

English, German or any subject for which prepared.

Junior Year

PIANO	Hrs.	Cred.
Piano	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Normal Piano	1	1
Recital	1	½
Chorus	1	½
Ensemble Playing	1	½

German, French or any subject for which prepared.

VOCAL	Hrs.	Cred.
Vocal	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Normal Voice	1	1
Recital	1	½
Chorus	1	½
Piano	1	1

German, French or any subject for which prepared.

ORGAN	Hrs.	Cred.
Organ	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chapel Playing	1	½

German, French or any subject for which prepared.

VIOLIN	Hrs.	Cred.
Violin	2	2
Theory	2	2
History of Music	1	1
Normal Violin	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chamber Music	1	½

French.

Senior Year

PIANO	Hrs.	Cred.
Piano	2	2
Vocal	1	1
Theory	2	2
Recital	1	½
Ensemble Playing	1	½
Appreciation	1	½
History of Fine Arts	1	1
Chorus	1	½
Graduating Thesis.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Piano	1	1
Theory	2	2
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Italian		
Graduating Thesis.		

ORGAN	Hrs.	Cred.
Organ	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2
Graduating Thesis.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2
Graduating Thesis.		

In the college eight credits will be allowed toward graduation. These credits are on the basis of one-hour periods.

Terms for Instruction

Per Semester

Tuition prices vary with the grade and the teacher.

Voice	$100.00 to $30.00
Piano	54.00 to 22.00
Pipe Organ	54.00
Violin	$72.00 to $20.00
Ensemble	25.00
Harmony	18.00
Public School Music	30.00
Normal Training	40.00
Sight Reading	4.50
Piano Practice, per hour	4.00
Organ Practice, per hour	12.00
Incidental Fee	.50
Cost of Graduation	10.00

College fees for conservatory students taking college work are paid at the beginning of each semester before completion of registration and strictly in advance, as follows:—

Tuition (five to eight hours per week) $15.00

Arrangements made for instruction on all orchestral instruments.

Special arrangements for guitar, banjo and mandolin lessons.

Ensemble piano class instruction.

Courses in accompanying and conducting.

Corrective lessons, church music, etc., arranged for at office.

Students and student-teachers prepared for state music teachers' examinations.

The cost of sheet music for a year is comparatively small, as reduced rates are given the students.

History of music, Appreciation, Ear training and History of Fine Arts are free advantages.

Discount will be allowed on tuition bills for two or more studies paid a year in advance.

Punctuality at lessons is required. If attendance at any lesson is impossible, notice should be given at the office.

Reports will be issued at the end of each term.

Students desiring to perform at any public event not connected with the conservatory should confer with the director.

Diplomas will not be given to students who have been in attendance at the conservatory for less than a school year.

Lessons falling on legal and special college holidays will not be made up except in special cases.

Any cause of dissatisfaction should be promptly reported to the office, where it will receive attention.

Deficiency in any class work can be made up by private lessons, arrangements for same to be made with director.

Honorary Degrees

Conferred by Macalester College

No honorary degrees were given by Macalester College before 1901.

1901: D. D. to Rev. Charles Thayer, Ph. D.....Deceased
D. D. to Rev. George W. Davis, Ph. D...St. Paul, Minn.

1902: D. D. to Rev. H. F. Stilwell.....St. Paul, Minn.
D. D. to Rev. J. Le Moyne Danner.....Indianapolis, Ind.
LL. D. to Hon. Thomas Wilson.....Deceased

1903: D. D. to Rev. Joseph Cochran, Macalester, '89.....
.....Philadelphia, Pa.

1904: D. D. to Rev. Stanley B. Roberts.....Minneapolis, Minn.
M. A. to Myron A. Clark, Macalester, '90.....
.....Rio de Janeiro, Brazil

1905: D. D. to Rev. Charles F. Hubbard.....Auburn, N. Y.

1906: D. D. to Rev. Donald D. McKay.....Tacoma, Wash.

1907: D. D. to Rev. Archibald Cardle, Macalester, '94.....
.....Burlington, Iowa

1910: D. D. to Rev. Charles T. Burnley.....Deceased
D. D. to Rev. Alfred E. Driscoll.....Ashland, Wis.
D. D. to Rev. William Porter Lee, Macalester, '89.....
.....Germantown, Pa.
D. D. to Rev. Harry Clinton Schuler, Macalester, '95....
.....Resht, Persia
D. D. to Rev. John Hansen Sellie, Macalester, '95.....
.....Buffalo, Minn.

1911: D. D. to Rev. Charles Allen Clark, Macalester, '99.....
.....Seoul, Korea
LL. D. to Rev. Albert Brainerd Marshall, D. D.....
..... Omaha, Neb.
LL. D. to Rev. George Livingstone Robinson, Ph. D., D. D.
.....Chicago, Ill.

1914: D. D. to Rev. George Ewing Davies . .Salt Lake City, Utah
D. D. to Rev. Joseph Carle Robinson.....
.....White Bear Lake, Minn.
LL. D. to Hon. James Jerome Hill.....St. Paul, Minn.

Alumni

Alumni Association

It will be esteemed a favor if each alumnus who changes his residence will notify the President of his new address. Information from any source that will assist in keeping this roll complete will be appreciated.

The Alumni Association of Macalester College has two purposes in view: to bind into a unit the graduate body and help to preserve and increase the value of the friendships formed in College, and to further the interests of the Alma Mater and make her more widely known. Communications to the Alumni Association should be sent to the college.

Officers

R. U. Jones.....President
W. M. Hobart.....Vice-President
S. H. Roberts.....Secretary
Isabelle Elmer.....Treasurer

Roll of Alumni

Class of 1889

George Washington Achard.....Business, Minneapolis, Minn.
Joseph Wilson Cochran.....Minister, Philadelphia, Pa.
Ulysses Grant Evans.....Minister, Sweetwater, Ill.
James Chase Hambleton.....Teacher, Columbus, Ohio
Benjamin Wallace Irvin.....Deceased
Samuel M. Kirkwood.....Surgeon, Absarokee, Mont.
William Porter Lee.....Minister, Germantown, Pa.
Paul Erskine McCurdy.....Business, Philadelphia, Pa.
Louis Ferdinand Slagle.....Deceased
Charles Albert Winter.....Deceased

Class of 1890

Myron A. Clark..National Sec. Y. M. C. A., Rio de Janiero, Brazil
Thaddeus T. Cresswell.....Minister, Pomona, Cal.
John Knox Hall.....Missionary, Idaho Springs, Colo.
William Henry Humphrey.....Deceased
William Paul Kirkwood.....Professor, U. of M., St. Paul, Minn.
Amos Avery Randall.....Deceased
Judson L. Underwood.....Missionary, Ashland, Kan.

Class of 1891

Frank Brown.....Principal, Chicago, Ill.
Walter F. Finch.....Minister, Slayton, Minn.
Walfred Sunberg.....Deceased
William B. Turner.....Business, Boston, Mass.
Thomas C. Williamson.....Business, Greenwood, S. D

Class of 1893

James Carlisle Simonton.....Business, Minneapolis, Minn.
Joseph Zoll.....Address unknown

Class of 1894

Francis W. Beidler.....Minister, Blanca, Colo.
Archibald Cardle.....Minister, Burlington, Iowa.
Paul A. Ewert.....Attorney, Joplin, Mo.
George E. Johnson.....Business, Sayre, Okla.
Samuel M. Marsh.....Minister, Brown's Valley, Minn.
William H. Sinclair.....Minister, Clarksville, Iowa

Class of 1895

Frank E. Balcome.....Physician, St. Paul, Minn.
John W. Christianson.....Minister, Veblin, S. D.
Thomas Fitz-Morris Clark.....Deceased
Charles D. Darling.....Minister, Roswell, N. M.
Edwin Howard Gordon.....Deceased
Harry Clinton Schuler.....Missionary, Resht, Persia
John Hansen Sellie.....Minister, Buffalo, Minn.
Arthur Whitney Vance...City Editor, Daily News, St. Paul, Minn.

Class of 1896

Alexander Edward Cance, Prof., Mass. Agr. College, Amherst, Mass.
Moses M. Maxwell.....Minister, Warren, Minn.
Samuel F. Sharp.....Minister, Exeter, Ontario, Can.

Class of 1897

Albert Ernest Evans.....Minister, Sunset, Wash.
Charles W. Hansen.....Deceased
Ernest Charles Henke.....Minister, Baraboo, Wis.
George Leck.....Deceased
John McLearie, Professor, State School of Mines, Rapid City, S. D.
Winifred Moore-Mace.....Racine, Wis.
Arthur A. Palmer.....Minister, Newberg, Ore.
Charles Petran.....Missionary, Mexico City, Mexico
Louis B. Sherwin.....Minister, Two Harbors, Minn.
William K. Sherwin.....Teacher, Barnum, Minn.
Arthur G. Welbon.....Missionary, Andong, Korea

Class of 1898

Clarence Dwight Baker.....Deceased
Charles Warren Dade.....Business, Rugby, N. D.
Anna Moore Dickson.....Teacher, St. Paul, Minn.
Caspar Gregory Dickson...Clerk National Library, Washington
Nellie M. Flanders-Sherwin.....Barnum, Minn.
John M. Guise.....Principal of School, St. Paul, Minn.
Carlton Leslie Koons.....Minister, Ashland, Wis.
Robert C. Mitchell.....Minister, Estherville, Iowa
William James Mitchell.....Minister, Grandview, Wash.
David Walter Morgan.....Minister, Nioto, Ill.

Class of 1899

Hugh S. Alexander..Professor, Macalester College, St. Paul, Minn.
Walter Baker Augur.....Minister, Jasper, Minn.
Charles Allen Clark.....Missionary, Seoul, Korea
Ralph Elmo Clark.....Minister, Erskine, Alberta, Can.
Paul Doeltz.....Missionary, Iloilo, Philippine Islands
George C. Edson.....Minister, Hasbrouck Heights, N. J.
Thomas George Jamieson.....Business, Calgary, Can.
Almira F. Lewis.....Denver, Colo.
James Murray.....Minister, Othello, Wash.
Samuel Merton Pinney....Superintendent, Dodge Center, Minn.
Jacob Elmer Smits.....Deceased
George Stanley.....Minister, Bloomington, Minn.
Murray Alberton Travis.....Minister, Collegeport, Texas

Class of 1900

John Calvin Abels.....Minister, Colombo, Ceylon
Miles Strong Grimes.....Minister, White Salmon, Wash.
Ralph Emerson Herron.....Business, Tucson, Ariz.
John Robert Landsborough.....Minister, Oregon City, Ore.
Ernest A. Oldenburg.....Minister, Hastings, Minn.
Mathilde Pederson-Romunstaad.....Deceased
Irving David Roach.....Business, Azusa, Cal.
William James Sharp.....Minister, Ellensburg, Wash.
Roy Walker Smits.....Deceased
David A. Thompson.....Minister, Olympia, Wash.

Class of 1901

William Beckering.....Minister, Oostberg, Wis.
Louis Benes.....Minister, Waupun, Wis.
Henry Roy Bitzing.....Lawyer, Mandan, N. D.
Percy Porter Brush.....Lawyer, Kelso, Wash.
Charles Morrow Farney.....Business, St. Paul, Minn.
Henry D. Funk.....Professor, Macalester College, St. Paul, Minn.
Nathaniel E. Hoy.....Meadow, S. D.
Lewis Hughes.....Teacher, Ottawa, Minn.
Richard U. Jones....Professor, Macalester College, St. Paul, Minn.
William C. Laube.....Professor, Presb. Sem., Dubuque, Iowa
Millicent V. Mahlum-Kelts.....Newton, Kan.
William H. Travis.....
Pres. Gulf Coast University of Industrial Arts, Collegeport, Tex.
Lily Bell Watson.....Macomb, Ill.

Class of 1902

Frederick Brown.....Deceased
Robert L. Davidson.....Teacher, Kent, Wash.
Sarah A. Haines.....Seattle, Wash.
Grace Iddings-Fletcher.....Grand Forks, N. D.
Leonard L. Mann.....Minister, Ipswich, S. D.
Francis H. Newton.....Minister, Creston, Wash.
Winifred R. Pringle-Weber.....Bayfield, Wis.
Edgar E. Sharp.....Lawyer, Moorhead, Minn.
Benjamin Bruce Wallace, Instructor, N. W. University, Evanston, Ill.
Helen Margaret Wallace-Davies.....Chicago, Ill.

Class of 1903

John Morton Davies.....Minister, Chicago, Ill.
Bessie Shepherd Doig-Jacobson.....Knoxville, Iowa
Julia Anita Elmer.....Teacher, St. Paul, Minn.
Peter Erickson.....Minister, Minot, N. D.
Ebenezer Thomas Ferry.....Minister, Fergus Falls, Minn.
Emma Inez Godward-Davies.....St. Paul, Neb.
Robert McMaster Hood.....Minister, Madera, Cal.
Peter Westin Jacobson.....Minister, Knoxville, Iowa
Raymond Lewis Kilpatrick.....Engineer, Sulzer, Alaska
Donald Norman MacRae.....Minister, Mitchell, Ont.
Henry Morgan.....St. Paul, Minn.
Joseph E. Rankin.....Minister, Long Lake, Minn.
Mary J. Rankin.....Missionary Teacher, Sneedville, Tenn.
Max M. Wiles.....Minister, Princeville, Ill.
William H. Weber.....Business, Bayfield, Wis.

Class of 1904

Grace Ivanore Chapin-Sharp.....Moorhead, Minn.
Peter Arthur Davies.....Minister, St. Paul, Neb.
Thomas Hunter Dickson.....Physician, St. Paul, Minn.
Margaret Evans-Detweiler.....Ponce, Porto Rico
William Horatio Kendall.....Minister, Farmington, Ill.
Alfred Edward Koenig....Instructor, U. of Wis., Madison, Wis.
William Oliver Rothney.....Inspector of Schools, Quebec, Can.
Henry John Voskuil.....Missionary, Amoy, China
Tolbert Watson.....Physician, Albany, Minn.
Mabel Wicker.....Teacher, Rush City, Minn.

Class of 1905

John Thomas Anderson.....Minister, Reading, Minn.
Earl Kenneth Bitzing.....Editor, Mandan, N. D.
Eugene Erwin Bromley.....Minister, Cosmopolis, Wash.
Isabelle Allison Elmer.....St. Paul, Minn.
Asa John Ferry.....Minister, Philadelphia, Pa.
Thomas Edwin Flinn.....Physician, Redwood Falls, Minn.
Ledru Otway Geib.....Physician, Detroit, Mich.
Mary Carnahan Guy-Shellman....Missionary, Pitsanuloke, Siam
Marie Grace Jamieson-Smith.....Lewisville, Ind.
Daniel Griffin Le Fever.....Business, Minneapolis, Minn.
James Albert Slack.....Minister, Powell, Wyo.
Robert Owens Thomas.....Chicago, Ill.
Jane Turnbull.....Teacher, Hutchinson, Minn.

Class of 1906

Levi H. Beeler.....Winthrop College, Rock Hill, S. C.
James Ekin Detweiler.....Missionary, Yamada, Japan
James Hamilton.....Minister, Hebron, Neb.
Roscoe Cliver Higbee.....Principal of School, St. Paul, Minn.
Alexander Hood.....Missionary, North Fork, Cal.
Albert Kuhn.....Professor, Presby. Sem., Dubuque, Iowa
Paul H. Th. Rusterholz.....Principal, Red Wing, Minn.
Ruth Estelle Swasey-Rusterholz.....Red Wing, Minn.
Gordon Graham Thompson.....Physician, Seattle, Wash.
Frank Harvey Throop.....Missionary, Soo Chow, China
Margaret Turnbull.....Principal, Watertown, S. D.

Class of 1907

William Harvey Amos.....Minister, Ida Grove, Iowa
James Albert Caldwell.....Hannah, N. D.
Robert W. Davies.....Superintendent, Morris, Minn.
Josephine Elmer-Ballou.....Duluth, Minn.
Marshall Gregory Findley, Professor Parsons College, Fairfield, Iowa
Richard David Hughes.....Minister, Chicago, Ill.
Martha Antoinette Jacobson.....Teacher, St. Paul, Minn.
Henrietta Cecelia Lundstrom.....Teacher, Morris, Minn.
Rose Amelia Metzger-Nutt.....Sidney, Mont.
David McMartin.....Minister, Leadville, Colo.
Rhoda Catherine MacKenzie.....Teacher, Fruitvale, Cal.
Richard Samuel Nutt.....Bank Cashier, Sidney, Mont.
Ole Johnson Oie....President Theo. School, Christiania, Norway
William Fred Pottsmith.....Minister, Ellsworth, Wash.
Mary Pauline Payne-Healy.....Mapleton, Minn.
Minerva Schlichting.....Deceased
Ruth Adelia Sherrill.....Teacher, Sherburn, Minn.
Mary Helen Smith-Jones.....St. Paul, Minn.
George Hill Smith.....Business, Excelsior, Minn.

Class of 1908

George Kemp Aiken.....Editor, Roslyn, Wash.
Hanna Sophia Berg.....Teacher, Rush City, Minn.
Ralph Brinks.....Minneapolis, Minn.
Richard Stanley Brown.....Minister, Fairgrove, Mich.
Edith Frederica Cale.....Deceased
Clifford Clement Cornwell.....Minister, Sherman, N. Y.

Evan Milton Evans.....Middle River, Minn.
Rosella Evans.....Le Sueur, Minn.
James Todd Guy.....Lawyer, Milwaukee, Wis.
Mary Elizabeth Guy-Wallace.....Zumbrota, Minn.
Walter Mell Hobart.....Business, Minneapolis, Minn.
Lucy Ma Belle Hyslop-Flinn.....Redwood Falls, Minn.
Nina Foy Johnson-Wallace.....Harrison, Ark.
Margaret Edith Lakey-McDonald.....Walhalla, N. D.
Peter McEwen.....Minister, Earl Park, Ind.
Luke Edward Marvin.....Duluth, Minn.
Martha Bessy Olson-Bromley.....Cosmopolis, Wash.
Stanley Hall Roberts.....Minister, Eden Prairie, Minn.
Lydia Anna Schroedel-Hobart.....Minneapolis, Minn.
Clarence Mason Stearns.....Business, St. Paul, Minn.
Robert Sinclair Wallace.....U. S. Forest Service, Harrison, Ark.

Class of 1909

Emma Bertelle Barker-Marvin.....Duluth, Minn.
Lucas H. Brinks.....Principal, Flandreau, S. D.
Albert Daniel Davies.....Business, Minneapolis, Minn.
David Roy Jones.....Minister, Carlinville, Ill.
Lulu Lane Piper-Aiken.....Roslyn, Wash.

Class of 1910

George Samuel Barclay Acheson .....Minister, Raymond, Wash.
William Jefferson Bell.....Minister, Virginia, Minn.
Joseph Vaclav Beran.....Hibbing, Minn.
Charles Taylor Burnley.....St. Paul, Minn.
Edward John Carson.....Minister, Conrad, Iowa
John Andrew Evert.....Physician, Brainerd, Minn.
June Rose Evert-Lanterman.....Mandan, N. D.
Albert Howard Gammons.....Minister, Butte Falls, Ore.
Jesse Willis Hamblin.....Minister, Cass City, Mich.
Stanley Hurlbut Hodgman.....Elk River, Idaho
William Andrew Horne.....Minister, Calvin, N. D.
Helen Mary Hunt-Bell.....Virginia, Minn.
Edward Henry Joesting.....St. Paul, Minn.
John Archibald McEwen.....Minister, Hannaford, N. D.

Sarah Grace McMartin-Carson.....Grand Rapids, Minn.
Pearl Alma Nash.....Teacher, Pipestone, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Minnie Mae Pierson-Evans.....Middle River, Minn.
Mary Elsie Raymond-Muhr.....Eugene, Ore.
Gladys Isabelle Roberts.....Minneapolis, Minn.
Jeannette Paulina Sawyer-Guild.....St. Paul, Minn.
Frederick Samuel Shimian.....Minister, North Bend, Ore.
Elmer Stuart Smith.....Kopiah, Wash.
Elizabeth Libby Staples.....St. Paul, Minn.
Vernon Elliott Stenerson.....Law Student, Minneapolis, Minn.
Anna Elizabeth Taylor.....Teacher, Faribault, Minn.
Norman Kendall Tully.....Theological Student, Chicago, Ill.
Ruth Minerva von Dorn-Gammons.....Butte Falls, Ore.
June Adelia Woodward.....Teacher, Slayton, Minn.

Class of 1911

William Ernest Baskerville.....Business, Elk, Wash.
Charles Bremicker..Professor, Macalester College, St. Paul, Minn.
Allan Hill Brown.....Theological Student, Chicago, Ill.
Homer Clyde Cardle.....Business, Winnipeg, Can.
Fred F. Carson.....Teacher, Grand Rapids, Minn.
Janet Isabella Dodds.....Teacher, Lake Benton, Minn.
Donald Smith Doty.....Attorney, St. Paul, Minn.
Effie Miranda Ellison-Miner.....Winters, Cal.
Hulda Olivia Ellison.....La Moure, N. D.
Oscar Melvin Ellison.....Business, La Moure, N. D.
Marjory Lucy Hanson.....Teacher, Corvallis, Ore.
Bayard William Heed.....Teacher, Verndale, Minn.
Arthur Billings Hunt.....St. Paul, Minn.
Ernest Wilburt Johnson.....Teacher, Larimore, N. D.
Ina Elizabeth Lindsley.....Marshall, Minn.
Anna Mae Little-Johnson.....Larimore, N. D.
Luella Irene Murphy-Dickinson.....Pierpont, S. D.
William Earls Noyes.....Teacher, Medford, Minn.
Adelaide Wadsworth Payne.....Teacher, Cambridge, Minn.
Russell Stephen Peterson.....Teacher, Silver Lake, Minn.
Leland William Porter.....Minister, Fargo, N. D.
Edna Francis White-Becker.....Amboy, Minn.

Class of 1912

Anna Elizabeth Anderson-Carson.....Conrad, Iowa
Dorothy Elizabeth Baumgart.....Teacher, Austin, Minn.
Clara Berdan.....Teacher, West Concord, Minn.
James Brinks.....Business, Zillah, Wash.
Orville Clifton Cardle.....Business, Missoula, Mont.
Bessie Florence Clark.....Teacher, Staples, Minn.
Mabel Emma Cosgrove .....Teacher, Pipestone, Minn.
Elva May Davis.....Teacher, Kenyon, Minn.
Louise Lombard Davison ..Teacher, State Normal, Madison, S. D.
Jessie Ellen Fisher-Thomas.....Iowa City, Iowa
Clarence Oscar Graue.....Marcy, Minn.
Lilah Agnes Holden.....Teacher, Hudson, Wis.
Florence Hunt.....Teacher, St. Paul, Minn.
Earl Duane Jenckes.....Tribune, Minneapolis, Minn.
Clarence Eugene Johnson.....Wayland, Minn.
Marion Burdick Jones.....Teacher, Glencoe, Minn.
Ruth Anna McKinlay.....Teacher, Medford, Minn.
Clarice Audrey Miller.....Teacher, Ely, Minn.
Pearl Margueritte Palmer.....Los Angeles, Cal.
John Gottfried Schmidt.....Teacher, Beatrice, Neb.
William Ellison Scott.....Teacher, Mountain Iron, Minn.
Ella A. Stearns .....Jasper, Minn.
Edna Alda Stewart.....Teacher, Fairfax, Minn.
Cassie Marie Stoddart.....Teacher, White Bear, Minn.
Oakley Russell Tripp.....Y. M. C. A., Minneapolis, Minn.
Oscar Westerlund.....Theological Student, Rochester, N. Y.
Muriel Faye Wheeler.....Teacher, Zumbrota, Minn.
Harry Merrium Willmert.....Business, Blue Earth, Minn.
Ralph Calvin Wilson.....Teacher, Kalispell, Mont.

Class of 1913

Enoch Newman Bengtson.....Rush City, Minn.
Ragna Leonora Bye-Klein.....Minneapolis, Minn.
Lenna May Campbell.....Student, U. of M., Minneapolis, Minn.
Wilfrid Gladstone Campbell.....Superior, Wis.
Paul Ephraim Carlson.....Teacher, Waverly, Minn.
Mary Genevieve Carver-Stevens.....St. Paul, Minn.
George Oliver Chase.....Teacher, Fairdale, N. D.
Leonard Alvin Clark.....Wolverton, Minn.

Mary Bernice Clark.....Teacher, Claremont, Minn.
Emma Joy Frederick.....Teacher, Renville, Minn.
William Henry Wallace Holley, Student, U. of M., Minneapolis, Minn.
Berenice Antoinette Kellogg.....Teacher, Mora, Minn.
Robert Lloyd Lang.....Mapleton, Minn.
Del Leslie Laughlin.....Teacher, Lisbon, N. D.
Grace Eloise McClure-Voss.....Morris, Minn.
Elmer Shepard MacCourt.....Student, U. of M., St. Paul, Minn.
Joseph Robert Neller.....Teacher, Osakis, Minn.
Florence Amelia Otis.....Teacher, Mount Hope, Wis.
Norton Walter Peet.....Deceased
William Conkey Phillips.....Teacher, Eau Claire, Wis.
Edith Beatrice Pierson.....Minnewaukan, N. D.
Ruth Lynn Porter.....Teacher, Bryant, S. D.
Adeline Marie Rosebrock.....Teacher, Gibbon, Minn.
Mabel Josephine Scott.....Dawson, Minn.
Ray Simons.....Teacher, Virginia, Minn.
James Merton Snyder.....Teacher, Gibson, Iowa
Marie Ellen Thomas.....Minneapolis, Minn.
Katie Lillian White.....Teacher, Franklin, Minn.
Vera May Zimbeck.....Teacher, Monticello, Minn.

Class of 1914

Carrie Ellen Alvord.....Teacher, Amery, Wis.
Richard Harlow Anderson.....Teacher, St. Peter, Minn.
Wallace Jay Anderson.....Theological Student, San Anselmo, Cal.
Harold Harvey Baldwin...Theological Student, San Anselmo, Cal.
Hosea Greenwood Bosley.....Teacher, Luverne, Minn.
Arthur George Brown.....Teacher, Le Sueur, Minn.
Truman Dean Brown.....Teacher, Lanesboro, Minn.
Margaret Buckbee.....Minneapolis, Minn.
Lulu Ellen Carey.....Teacher, Walnut Grove, Minn.
Howard Edward Clark.....Teacher, Rugby, N. D.
Margaret MacGregor Doty.....Teacher, Chaska, Minn.
Leslie Lisle Druley.....Business, St. Paul, Minn.
Vera Margery Dunlap.....Teacher, Windom, Minn.
Lloyd Gilmore.....Hope, N. D.
John Leslie Harvey.....Theological Student, San Anselmo, Cal.
Burton Patriquine Holt.....Theological Student, Chicago, Ill.
Alice Louise Lindsley.....Teacher, Amery, Wis.
Bessie Elizabeth Lovell.....Teacher, Stanley, N. D.

Mable Mohr.....Teacher, Starkweather, N. D.
Esther Neller.....Teacher, Austin, Minn.
Evelyn Pickthorn.....Brown's Valley, Minn.
Helen Maria Prosser.....Teacher, Sacred Heart, Minn.
Harold Percy Roberts.....Teacher, Atwater, Minn.
Gertrude Gray Smith.....Teacher, Litchfield, Minn.
Helen Antonia Stratte.....Dawson, Minn.
Selma Ovidia Stratte.....Dawson, Minn.
Florence Adell Switzer.....Teacher, Two Harbors, Minn.
Charles Albert Thomas.....Business, St. Paul, Minn.
Elmer Wilcox Trolander.....Student, U. of C., Chicago, Ill.
Della Ann Trotter.....Teacher, Crandon, Wis.
Lucius Harlow Watkins.....Student, U. of M., St. Paul, Minn.

Alumni of the School of Music

Class of 1900

Mrs. Maud Taylor-Hansen.....Minneapolis, Minn.

Class of 1901

Millicent Viola Mahlum-Kelts.....Newton, Kan.

Class of 1905

Grace Taylor-Franklin.....Emerado, N. D.
Mrs. W. H. Amos.....Ida Grove, Iowa

Class of 1906

Carmen Mahlum.....Brainerd, Minn.
Pearl Neeb.....Lewiston, Minn.
Charrie Roberton.....Rushford, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Paul H. Th. Rusterholz.....Red Wing, Minn.

Class of 1907

Gyda Hansen.....St. Paul, Minn.
Richard U. Jones.....St. Paul, Minn.

Class of 1908

Ethel Erkenbrack-Funk.....Minneapolis, Minn.
Ada Nash.....Pipestone, Minn.
Gladys Neff.....Neillsville, Wis.
Minnie Tullar.....Warren, Minn.
Clara Odenwald-Abbet.....Worthington, Minn.

Class of 1909

Lorraine Vern Miller.....La Moure, N. D.
Rhea Le Pierre Rocheleau.....Ocean Park, Cal.
Anna May Woodworth.....Carlton, Minn.

Class of 1910

Ardelia Bisbee.....Madelia, Minn.
Mildred C. Corliss.....Portland, Ore.
Ada Dahlgren.....St. Paul, Minn.
Lillian Hall.....Minnewaukan, N. D.
Estelle Spayde.....Rapid City, S. D.

Class of 1911

Charlotte Burlington.....St. Paul, Minn.
Elva May Davis.....Madison, S. D.
Katherine Gamble-Baskerville.....Wayne, Neb.
Myrtha Marie Gunderson.....St. Paul, Minn.
Ethel Haggard-Stewart.....St. Paul, Minn.
Stella Wilhelmina Heger.....St. Paul, Minn.

Class of 1912

Mary Genevieve Carver-Stevens.....St. Paul, Minn.
Ethel Wilcox.....Mankato, Minn.
Lottie M. Olson.....Argyle, Minn.
Alice R. Olson.....Fargo, N. D.
Louise Appel.....Springfield, Minn.
Erna Appel.....Springfield, Minn.

Class of 1913

Harriet Martha Caldwell.....St. Paul, Minn.
Constance Pearl Johnson.....St. Paul, Minn.
Alice Elvira Larson.....Alexandria, Minn.
Geneva Samson.....St. Paul, Minn.
Ethel May Stewart.....St. Paul, Minn.
Stella Alice Tuttle.....Hastings, Minn.
Margaret Jane Williams.....Minneapolis, Minn.
Gladys Ruth Ziesemer.....St. Paul, Minn.

Class of 1914

Jean Adie (Bachelor of Music).....St. Paul, Minn.
Harriet Caldwell.....St. Paul, Minn.
Mabel Reed.....St. Paul, Minn.
Hazel Roche.....Farmington, Minn.
Evelyn Rumble.....St. Paul, Minn.
Blanche Runyon.....St. Paul, Minn.
Mildred Skauge.....Brainerd, Minn.
Ruth Spater.....St. Paul, Minn.
Clarence Vokoun.....St. Paul, Minn.
Amelia Wolf.....Nerstrand, Minn.
Vernie Wolfsberg.....St. Paul, Minn.

Roll of Students

College

Senior Class

Clark Albin Abrahamson.....Towner, N. D.
Paul Benjamin Bremicker.....St. Paul, Minn.
Olive Margaret Brown.....Pipestone, Minn.
Mary Reid Cardle.....Blue Earth, Minn.
Etta Marie Cinclair.....Minneapolis, Minn.
Edward Maurice Clark.....Eden Prairie, Minn.
Luella Clara Conley.....Williston, N. D.
Gerald Curtis Dale.....Madison, Minn.
Margaret Defiel.....St. Paul, Minn.
Josephine Dixon.....Warren, Minn.
Gwendolyn Lotimer Eastman.....St. Paul, Minn.
Eunice Geer Finch.....Slayton, Minn.
Alice Julia Flinn.....St. Paul, Minn.
Edith Almeda Haigh.....St. Paul, Minn.
Catharine Deaver Lealtad.....St. Paul, Minn.
Emily Helen Payne.....St. Paul, Minn.
Madge Porter.....Madison, S. D.
Herbert Harrison Sell.....Cloquet, Minn.
Ruth Virden Slagg.....Pipestone, Minn.
Henry Frank Softley.....Forest Lake, Minn.
Gwendolyn Bromley Williams.....Duluth, Minn.
Olga Constantine Terzieff.....St. Paul, Minn.
Bert Benjamin Willmert.....Blue Earth, Minn.

Junior Class

Grace Emily Brown.....St. Paul, Minn.
Lucia Rebecka Brown.....St. Paul, Minn.
Beryl Alberta Brownlee.....Blue Earth, Minn.
Gordon Lyman Brownlee.....Blue Earth, Minn.
George Rowland Collins.....Rugby, N. D.
Francis Marion Dana.....St. Paul, Minn.
Marie Eleanor de Booy.....Elk River, Minn.
Margaret Douglass Downing.....St. Paul, Minn.
Ruth Marie Featherstone.....Hastings, Minn.
Emanuel Ossian Franklin.....Oakland, Neb.
William Taber Greig.....St. Paul, Minn.
Helen Charlotte Gullikson.....Blue Earth, Minn.
Vergil Homer Guthrie.....Newton, Iowa
Frank Edward Hall.....St. Paul, Minn.
Arthur Bristow Hood.....Rapid City, S. D.
Isabelle Howard.....Minneapolis, Minn.
Vincent Raymond Hunt.....Bricelyn, Minn.
Constance Darling Hunter.....Langdon, N. D.
Bertha Mamie Hurr.....Shakopee, Minn.
Gordon Lewis Keeley.....Hudson, Wis.
Christopher Leo Kenny.....St. Paul, Minn.
Fred Joseph Kenny.....St. Paul, Minn.
David Nathaniel Ling.....Kerkhoven, Minn.
John Thomas McCallum.....St. Paul, Minn.
Jessie Elizabeth McClure.....Litchfield, Minn.
Emily Lois McConkey.....Brewster, Minn.
Erwin Herbert Metag.....Morgan, Minn.
Loana Miriam Miller.....Nome, Alaska
Andrew Hilmer Norum.....Mora, Minn.
John Samuel Nyquist.....Cokato, Minn.
Adolf Olson.....St. Paul, Minn.
Howard Johnson Rankin.....St. Paul, Minn.
John Lyman Sheean.....Cloquet, Minn.
Alice Emma Stearns.....Jasper, Minn.
William McIntyre Stronach.....Delhi, Minn.
Vera Marie Utter.....St. Paul, Minn.
William Liston Walker.....Stephen, Minn.
Irving Howard Williams.....Minneapolis, Minn.
Margaret Jane Williams.....Minneapolis, Minn.

Sophomore Class

Arthur Glenn Adams.....Crosby, Minn.
Effie Alice Adams.....Luverne, Minn.
Wylie Gustave Akenson.....St. Paul, Minn.
Robert Pilling Bayard.....St. Paul, Minn.
Harry Townsend Boyd.....Lanesboro, Minn.
Kathryn Buckbee.....Minneapolis, Minn.
John Henry Burwell.....Hastings, Minn.
Willis Earl Burwell.....Hastings, Minn.
Harriet Martha Caldwell.....St. Paul, Minn.
Ellen Mary Chase.....Minneapolis, Minn.
Neal Dow Crawford.....Luverne, Minn.
Lajla Marie Dale.....Madison, Minn.
Walfred Danielson.....St. Paul, Minn.
Herbert Emil Dierenfield.....Fairfax, S. D.
Paul Bartlett Dix.....Minneapolis, Minn.
Dorothy Dornberg.....Austin, Minn.
Beth Lucretia Draper.....Mandan, N. D.
Donald Cornish Elder .....De Witt, Iowa
Alice Muriel Everts.....Ashby, Minn.
Albert Edward Flagstad.....Minneapolis, Minn.
Wilbur A. Gardner.....Minneapolis, Minn.
Charles Gerlinger.....Spur, Minn.
Wallace Graydon Gibson.....St. Paul, Minn.
Margaret Gilpin.....Duluth, Minn.
Ralph Daniel Gracie.....Bemidji, Minn.
Margaret Graham.....St. Paul, Minn.
John Ebenezer Greig.....Estherville, Iowa
Pauline Hayes.....St. Paul, Minn.
Milton Boyce Hebeisen.....Carver, Minn.
James Kidd Hilyard.....St. Paul, Minn.
Grace Elizabeth Hiveley.....Flandreau, S. D.
Ethelwyn Annette Hopkins.....Mankato, Minn.
Edna Louise Hubbell.....St. Paul, Minn.
Howard Neff Huelster.....St. Paul, Minn.
Rohland Andrew Isker.....Kenyon, Minn.
Arthur Charles Johnson.....Minneapolis, Minn.
Donald Lee Johnson.....St. Paul, Minn.
Marie Eulalia Kelly.....St. Paul, Minn.
Charles Stanley Knott.....Spur, Minn.

Alfred Smith Knowlton.....St. Paul, Minn.
Thomas Kees Laird.....Oakland, Minn.
Raymond Horace Landon.....Minneapolis, Minn.
John Arthur Lewis.....St. Paul, Minn.
Homer Dorr Lindgren.....Adrian, Minn.
Ethel Marie McClure.....Litchfield, Minn.
Howard Hope McNiven.....Langdon, N. D.
Swan William Mattson.....Kensington, Minn.
Anna Seraphina Nelson.....Mora, Minn.
Ernest Gustav Norstrom.....Minneapolis, Minn.
Iva Hortense Olson.....Minneapolis, Minn.
Evelyn Bradbury Page.....White Bear, Minn.
Carlton Edmund Ralph.....St. Paul, Minn.
Joseph Howard Rhoads.....South St. Paul, Minn.
Allen John Robertson.....Rochester, Minn.
Irving Roth.....Minneapolis, Minn.
Thomas Adolph Rother.....Winona, Minn.
Esther Alta Schumann.....Rugby, N. D.
Nathan Shapira.....St. Paul, Minn.
Zylpha Lauretta Sharpe.....St. Paul, Minn.
Gertrude Simons.....Virginia, Minn.
Oscar Bernard Sletteland.....Pigeon Falls, Wis.
Cora Beatrice Solberg.....Montevideo, Minn.
Fay Lex Taylor.....Berwick, N. D.
Fremont David Taylor.....Aitkin, Minn.
Stella Alice Tuttle.....Hastings, Minn.
Anna Marie Wagner.....St. Paul, Minn.
Lucille Anna Wilkerson.....St. Paul, Minn.
Clarence Charles Willmert.....Blue Earth, Minn.
Douglas Wolff.....Kimball, Minn.
George Fred Ziesemer.....St. Paul, Minn.

Freshman Class

Arthur John Anderson.....Kerkhoven, Minn.
Julian Francis Anderson.....Preston, Minn.
Oscar P. Anderson.....Minneapolis, Minn.
Grace Lorraine Armstrong.....St. Paul, Minn.
Donald Leslie Augustine.....Kasson, Minn.
Richard Rea Hunter Bennett.....St. Paul, Minn.
Ida Boeckmann.....Andover, S. D.
Maybelle Gustava Boystrem.....Trenton, N. D.

Leonard Bedient Brabec.....Kasson, Minn.
Walter Magni Carlson.....Murdock, Minn.
William H. Carson.....Le Sueur, Minn.
Otto Christenson.....Cokato, Minn.
Ella Isabelle Clapp.....Mankato, Minn.
Clarence Cowan Currie.....Hinckley, Minn.
Ernest Clarence Daley.....St. Paul, Minn.
Gladys Somers Dallimore.....St. Paul, Minn.
Wadie David David.....Damascus, Syria
Frederick Wayne Doane.....Plainview, Minn.
Harriet Hope Drezmal.....St. Paul, Minn.
Conrad Laurence Ecklund.....Minneapolis, Minn.
George William Ellis.....St. Paul, Minn.
John Kenneth Erickson.....Fulda, Minn.
Erling Eriksen.....Two Harbors, Minn.
Robert B. Faricy.....St. Paul, Minn.
Carrie Celestine Farmer.....Madison, S. D.
James Alfred Ferguson.....Minneapolis, Minn.
John Louis Ferry.....Kisbey, Sask.
Albert Ernest Fillmore.....Fairmont, Minn.
Milo G. Flaten.....Moorhead, Minn.
Carroll Sweet Francis.....Ponca, Neb.
Robert Francis Gale.....St. Paul, Minn.
Horace Napoleon Gibson.....St. Paul, Minn.
Glenwood W. Gilson.....Anoka, Minn.
Eugene John Gluek.....Minneapolis, Minn.
Ingvar Graaf.....Minneapolis, Minn.
Paul Bennett Greig.....St. Paul, Minn.
Ralph Everett Greig.....Rushmore, Minn.
Roy Alfred Greig.....Rushmore, Minn.
Jesse Collins Hales.....Rugby, N. D.
Margaret Lyla Hammond.....St. Paul, Minn.
Henry Richard Hawkinson.....Centre City, Minn.
Curtis Henry.....Flandreau, S. D.
Frank Orville Holmes.....St. Paul, Minn.
Alice Ena Hough.....Kerkhoven, Minn.
George Percy Hough.....Kerkhoven, Minn.
William Andrew Howard.....Minneapolis, Minn.
Edith Lorine James.....St. Paul, Minn.
George Arthur Jensen.....Glenwood, Minn.

Esther Jerabek.....Hutchinson, Minn.
Alfred R. Johnson.....Kerkhoven, Minn.
Merle C. Johnson.....St. Charles, Minn.
Victor Englebert Johnson.....Cokato, Minn.
Martin L. Kahner.....Minneapolis, Minn.
Adolf Kongelf.....Sidney, Mont.
Albrecht J. Koppes.....St. Paul, Minn.
William Henry Lagas.....Austin, Minn.
Robert Laird.....Oakland, Minn.
Gladys Corey Lamson.....Lindstrom, Minn.
Herbert William Larseen.....Minneapolis, Minn.
Per Morton Larson.....Minneapolis, Minn.
Jack Blythin Le Claire.....Mankato, Minn.
Eugenia Marie Legault.....Stephen, Minn.
Marian Louise Lesher.....St. Paul, Minn.
Walter Lienke.....Winnebago, Minn.
Harold Simon Long.....Luverne, Minn.
Lauron Harmon Lovelace.....Cottonwood, Minn.
Arthur Mauritz Lundholm.....St. Paul, Minn.
Marjorie Frances McClure.....Litchfield, Minn.
Bess McCrary.....Custer, S. D.
George Angus McLeod.....Litchfield, Minn.
Glen Nyren McNaughton.....Cohasset, Minn.
Wendell Scott McRae.....St. Paul, Minn.
Oscar Albin Mabusth.....Minneapolis, Minn.
Paul Matson.....St. Paul, Minn.
William Lawrence Medalie.....Gilbert, Minn.
Frederick Gregory Medcalf.....St. Paul, Minn.
Charles Burdick Mills, Jr.....Minneapolis, Minn.
Helen Minerva Moore.....Minneapolis, Minn.
Ruth Ludlow Moore .....Minneapolis, Minn.
Val E. Nearpass.....Terre Haute, Ind.
Jay O. Nellermoe.....Buffalo Lake, Minn.
Hubert Gordon Nelson.....Lanesboro, Minn.
Carl L. Nippert.....St. Paul, Minn.
David Nyquist.....Cokato, Minn.
Phyllis Irene Nyquist.....Kerkhoven, Minn.
Ethel Grace O'Neale.....St. Paul, Minn.
John Alexander Patterson.....St. Paul, Minn.
Tola Peters.....Carlton, Minn.

Alfred Melvin Peterson.....Richville, Minn.
Harriet Frances Pierpont.....Hudson, Wis.
Alexander Whyte Robertson.....Langdon, N. D.
William Martell Rochford.....Minneapolis, Minn.
Evelyn Mary Rumble.....St. Paul, Minn.
Fred C. Sachse.....St. Paul, Minn.
Olive Collins Sachse.....St. Paul, Minn.
Russell W. Sayre.....South Bend, Ind.
Henry Reinhold Schmidt.....North St. Paul, Minn.
Leslie C. Schmidt.....St. Paul, Minn.
Helen Isabel Sivertson.....Crookston, Minn.
Leon Jay Slade.....Minneapolis, Minn.
Jean Pauline Smith.....Stillwater, Minn.
Ralph A. Soderlind.....Minneapolis, Minn.
Helen Jane Stanton.....Oaks, N. D.
Harry Wallace Stearns.....Jasper, Minn.
Myrtle Dorothy Steen.....Kerkhoven, Minn.
Lenore Stuart.....Rapid City, S. D.
Milton Francis Sturtevant.....St. Paul, Minn.
Esther Sundfelt.....St. Paul, Minn.
Dorothy Hope Taggart.....River Falls, Wis.
Ora John Taylor.....Le Sueur, Minn.
Wallace B. Taylor.....Chaska, Minn.
Shirley Pierpont Thompson.....Minneapolis, Minn.
James Allen Torbet.....Devils Lake, N. D.
Faith Boyden Torinus.....St. Paul, Minn.
Thomas Douglas Turnbull.....St. Paul, Minn.
Thomas Edward Waddelow.....Fairfield, Ill.
Beatrice Walker.....White Bear, Minn.
Margaret Thompson Walters.....St. Paul, Minn.
Ruth Azalia Webster.....St. Paul, Minn.
Charles M. Wenzel.....Kenyon, Minn.
Conrad Olof Werner.....St. Paul, Minn.
Arthur L. Whiton.....Rochester, Minn.
Paul Williams.....Havana, Minn.
Porter Ackerman Williams.....Estherville, Iowa
Marvel Wittich.....St. Paul, Minn.

Special Students

Beatrice Banning.....St. Paul, Minn.
Lilah Vivian Bellingham.....Bellingham, Minn.
Hazel Luella Bergen.....St. Paul, Minn.

Doris R. Evans.....St. Paul, Minn.
Ruth Frances Greene.....Morrisville, Vt.
Edna Grace Grinager.....Minneapolis, Minn.
Gladys Evlen Johnson.....Cloquet, Minn.
Lily Isabel Lewis.....St. Paul, Minn.
Edna Merritt.....Aitkin, Minn.
Lilian Katharine Nelsen.....Mankato, Minn.
Hazel E. Pilcher.....Fairhope, Ala.
Anna Elizabeth Shell.....Wallowa, Ore.
Daniel T. Thomassian.....Iconium, Asia Minor
Theresa Amelia Willink.....Baldwin, Wis.

Baldwin School

Mary Pitinger Blakeslee.....St. Paul, Minn.
Ella Marie Burrill.....St. Paul, Minn.
Franklin Grant Christenson.....St. Paul, Minn.
Marie Cushing.....St. Paul, Minn.
Florence Anna Defiel.....St. Paul, Minn.
Muriel Emily Carr Eastman.....St. Paul, Minn.
Jean Ellerbe.....St. Paul, Minn.
Pearl Fox.....Comfrey, Minn.
Earle Allen Hadley.....Stanley, Wis.
Wallace Sumner Hall.....St. Paul, Minn.
Alice Myrtle Hause.....Mendota, Minn.
William Andrew Howard.....Minneapolis, Minn.
Myrtle Hultquist.....Muskogee, Okla.
Dorothy Wilder Hutchinson.....St. Paul, Minn.
Robert Earl Jones.....Luverne, Minn.
Henry Arthur Kehne.....St. Paul, Minn.
Cornelia Leighton.....Minneapolis, Minn.
George B. Lewis.....Wilmington, Del.
Irvin Adin Lowry.....Oakland, Minn.
Margaret McLeod.....St. Paul, Minn.
Marion McLeod.....St. Paul, Minn.
Helen Willina McRae.....St. Paul, Minn.
Lawrence Miller.....St. Paul, Minn.
Margaret Sylvia Mount.....St. Paul, Minn.
Grace Noyes.....Freewater, Ore.
Robert Hugh Owen.....St. Paul, Minn.
George Douglas Reed.....St. Paul, Minn.
Alice Burgoyne Spencer.....St. Paul, Minn.
Henrietta J. Webb.....South Park, Minn.

Conservatory of Music

Benjamin Asch.....St. Paul, Minn.
William Beddie.....St. Paul, Minn.
Lilah Bellingham.....Bellingham, Minn.
Richard Bennett.....St. Paul, Minn.
Harry Bill.....St. Paul, Minn.
Verne Blackman.....Fayetteville, Ark.
Ella Blackmore.....St. Paul, Minn.
Leonard Brabec.....Kasson, Minn.
Edith Buchanan.....Maple, Wis.
Charlotte Burlington.....St. Paul, Minn.
Ella Burrill.....St. Paul, Minn.
Mrs. William Cannon.....St. Paul, Minn.
Cecelia Connelley.....Mandan, N. D.
Florence Connelley.....Mandan, N. D.
Lajla Dale.....Madison, Minn.
Gladys Dane.....St. Paul, Minn.
Sunshine Dempsey.....St. Paul, Minn.
Kordelia Donea.....St. Paul, Minn.
Theodora Donea.....St. Paul, Minn.
Felicia Druck.....St. Paul, Minn.
Mildred Eaton.....St. Paul, Minn.
Donald Elder.....De Witt, Iowa
Theresa Elfenbein.....St. Paul, Minn.
Jean Ellerbe.....St. Paul, Minn.
Elizabeth Erickson.....Bemidji, Minn.
Pearl Fox.....St. Paul, Minn.
Gordon Garrow.....St. Paul, Minn.
Carl Grove.....St. Paul, Minn.
Earle Hadley.....St. Paul, Minn.
Jesse Hales.....Rugby, N. D.
Lena Halvorson.....St. Paul, Minn.
Agnes Hanson.....Minneapolis, Minn.
Curtis Henry.....Flandreau, S. D.
Helen Hofer.....St. Paul, Minn.
Vera Hurley.....Eau Galle, Wis.
John James.....St. Paul, Minn.
Gladys Johnson.....Cloquet, Minn.
J. Albert Kerr.....St. Paul, Minn.
Muriel Kingsley.....St. Paul, Minn.

Carl Larson.....St. Paul, Minn.
Cornelia Leighton.....St. Paul, Minn.
Edna Lundeen.....St. Paul, Minn.
Jessie McClure.....Litchfield, Minn.
Marjorie McClure.....Litchfield, Minn.
Winthrop McCourt.....St. Paul, Minn.
Edwin McQuillan.....St. Paul, Minn.
Herbert McQuillan.....St. Paul, Minn.
Mrs. A. I. Mellenthin.....St. Paul, Minn.
Edna Merritt.....Aitkin, Minn.
Albina Minars.....Browerville, Minn.
Frank Minars.....Browerville, Minn.
Gladys Moon.....St. Paul, Minn.
Floyd Myhr.....St. Paul, Minn.
Ruth Nehrlich.....St. Paul, Minn.
Alfred Nelsen.....St. Paul, Minn.
Grace O'Neale.....St. Paul, Minn.
Grace Olen.....St. Paul, Minn.
Iva Olson.....Minneapolis, Minn.
Malcolm Pearson.....St. Paul, Minn.
Mary Pearson.....St. Paul, Minn.
Wyllene Pearson.....St. Paul, Minn.
Harriet Pierpont.....Bruce, Wis.
Mabel Reed.....St. Paul, Minn.
Mary Resnick.....St. Paul, Minn.
Marion Ringstad.....St. Paul, Minn.
Allen Robertson.....Rochester, Minn.
Hazel Roche.....Farmington, Minn.
Evelyn Rumble.....St. Paul, Minn.
Ruth Schickler.....St. Paul, Minn.
Olive Scott.....Stillwater, Minn.
Anna Shell.....Wallowa, Ore.
Ida Shelly.....Minneapolis, Minn.
Doris Sischo.....St. Paul, Minn.
Phoebe Sischo.....St. Paul, Minn.
George Spencer.....St. Paul, Minn.
Helen Stanton.....Oakes, N. D.
Emily Starner.....Brewster, Minn.
Dorothy Taggart.....River Falls, Wis.
Ethel Tamborino.....St. Paul, Minn.

Daniel Thomassian.....Iconium, Asia Minor
Janet Vokoun.....St. Paul, Minn.
Grace Waddell.....St. Paul, Minn.
Maude Wanzer.....Charleston, W. Va.
Mrs. L. G. Weir.....St. Paul, Minn.
Martha Whitwell.....St. Paul, Minn.
Rachel Williams.....St. Paul, Minn.
Cora Wilson.....Belview, Minn.
Arthur Wiprud.....St. Paul, Minn.
Franklin Wiprud.....St. Paul, Minn.
Roy Wiprud.....St. Paul, Minn.
Florence Woodland.....St. Paul, Minn.
Henrietta Wulfsberg.....St. Paul, Minn.

Summary of Students

College	271
Baldwin School	29
Conservatory of Music	92
Total	392
Counted Twice	26
Net, Total	366

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THE RANDALL COMPANY, SAINT PAUL

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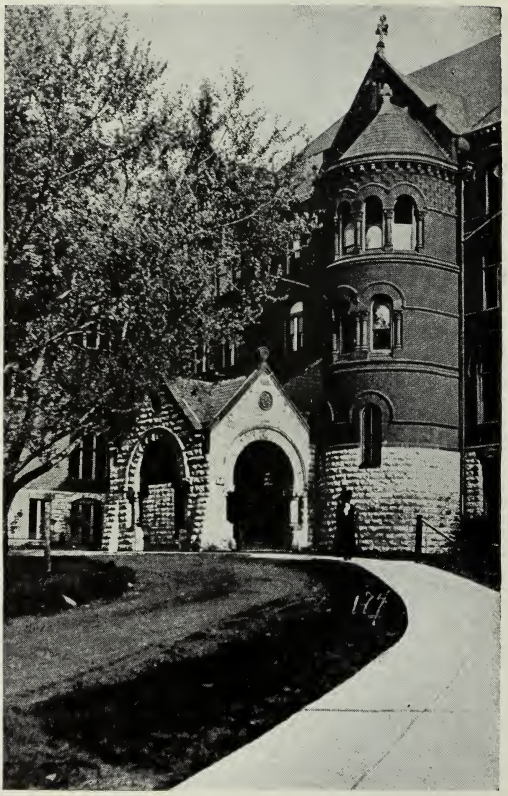
Macalester College Bulletin

Catalog Number
April, 1916

Volume IV Number 3



ENTRANCE TO MAIN BUILDING

Catalog

Macalester College

APR 27 1916

1915 - 1916

Accredited by the North Central Association of Colleges and Secondary Schools.

Macalester College uses in its official publications a number of the reformed spellings recommended by the Simplified Spelling Board and now authorized by standard dictionaries.

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under act of congress July 16, 1894.

Issued Quarterly in October, January, April and June.

College Calendar

1916-1917

1916

June 9. Friday, 8:15 p. m., Recital, Conservatory of Music.
June 10. Saturday, 8:15 p. m., Senior Class Play.
June 11. Sunday, 10:30 a. m., Baccalaureate Sermon.
June 12. Monday, 8:15 p. m., Senior Class Play.
June 13. Tuesday, 10:00 a. m., Class Day Exercises.
June 13. Tuesday, 1:30 p. m., Annual Meeting of Board of Trustees
June 13. Tuesday, 7:00 p. m., Alumni Banquet.
June 14. Wednesday, 10:00 a. m., Twenty-seventh Annual Commencement.
June 14. Wednesday, 8:00 p. m., President's Reception.
Sept. 11-13. Monday-Wednesday, Registration Days.
Sept. 13. Wednesday, 10:30 a. m., First Semester begins.
Nov. 30-Dec. 2. Thursday-Saturday, Thanksgiving Recess.
Dec. 20. Wednesday, 4:20 p. m., Christmas Vacation begins.

1917

Jan. 4. Thursday, 8:00 a. m., Christmas Vacation ends.
Jan. 29-Feb. 3. Monday-Saturday, Registration Days.
Feb. 3. Saturday, First Semester ends.
Feb. 6. Tuesday, Second Semester begins.
Feb. 12. Monday, Lincoln's Birthday.
Feb. 22. Thursday, Washington's Birthday.
April 4. Wednesday, 4:20 p. m., Spring Vacation begins.
April 12. Thursday, 8:00 a. m., Spring Vacation ends.
May 30. Wednesday, Memorial Day.
June 13. Wednesday, Second Semester ends.

Administrative Officers

Address correspondence as follows:

T. MOREY HODGMAN, President of College.
Catalog, Information, Complaints, General Business.
Address all correspondence during summer vacation.

GLENN CLARK, Dean.
Curriculum, Student Activities and College Policies.

JOHN P. HALL, Registrar.
Grades, Credits, Entrance Requirements.

HARRY PHILLIPS, Director Conservatory of Music.
Catalog, Tuition, Entrance.

BISHOP H. SCHRIBER, Secretary and Attorney.
Records, Taxes, Litigation, Release of Mortgage.
Pioneer Building, St. Paul.

CHAS. E. MacKEAN, Treasurer.
Endicott Building, St. Paul.

RUFUS C. JEFFERSON, Chairman Finance Committee.
Endowment Investments.
Merchants National Bank Building, St. Paul.

JOHN T. HENDERSON, Field Secretary.

Board of Trustees

Officers of the Board

THOMAS SHAW.....President
R. C. JEFFERSON.....First Vice-President
G. D. DAYTON.....Second Vice-President
B. H. SCHRIBER.....Secretary
C. E. MACKEAN.....Treasurer
RICHARD E. STOWER.....Cashier and Accountant

Trustees

TERMS EXPIRE JUNE, 1916

B. H. SCHRIBER.....St. Paul
R. C. JEFFERSON.....St. Paul
GEORGE W. WISHARD.....Minneapolis
GEORGE D. DAYTON.....Minneapolis
.....

TERMS EXPIRE JUNE, 1917

THOMAS SHAW.....St. Paul
A. D. THOMPSON.....Duluth
THOMAS B. JANNEY.....Minneapolis
.....
JOHN S. MCLAIN.....Minneapolis

TERMS EXPIRE JUNE, 1918

REV. H. C. SWEARINGEN, D. D.....St. Paul
E. B. KIRK.....St. Paul
REV. JOHN E. BUSHNELL, D. D.....Minneapolis
WATSON P. DAVIDSON.....St. Paul
P. L. HOWE.....Minneapolis

T. MOREY HODGMAN, ex-officio.....St. Paul

Committees of the Board

Executive Committee

Thomas Shaw, Chairman
B. H. Schriber, Secretary
T. B. Janney
E. B. Kirk
R. C. Jefferson
H. C. Swearingen
T. M. Hodgman

Committee on Endowment

T. M. Hodgman
George D. Dayton
R. C. Jefferson
H. C. Swearingen
Thomas Shaw
G. W. Wishard

Committee on Instruction

T. M. Hodgman, ex-officio
H. C. Swearingen
John E. Bushnell
G. W. Wishard
J. S. McLain

Committee on Property

R. C. Jefferson
T. M. Hodgman
E. B. Kirk
B. H. Schriber

Finance Committee

R. C. Jefferson
T. M. Hodgman
T. B. Janney
B. H. Schriber

Committee on Commencement

H. C. Swearingen
B. H. Schriber
T. M. Hodgman

Budget Committee

P. L. Howe
R. C. Jefferson
W. P. Davidson
T. M. Hodgman

College Faculty

THOMAS MOREY HODGMAN, A. M., LL. D., President,
Residence, 476 Ashland Avenue. N. W. Dale 2450.

JAMES WALLACE, Ph. D.,
Professor of Bible. Head Professor of Bible Training Department.
On the Frederick Weyerhaeuser Foundation.
Residence, 1641 Laurel Avenue. N. W. Midway 2178.

ANDREW WORK ANDERSON, A. M.,
Professor of Philosophy and Education.
On the O. A. Robertson Foundation.
Residence, 1658 Lincoln Avenue.

DAVID NEWTON KINGERY, A. M.,
Professor of Mathematics and Astronomy.
Faculty Director of Athletics.
Residence, 135 Amherst Street. N. W. Midway 4183

JULIA MacFARLANE JOHNSON, A. M.,
Dean of Women.
Professor of English Literature and Old English.
Residence, Wallace Hall. N. W. Midway 535.

HENRY DANIEL FUNK, A. M.,
Professor of History.
Residence, 195 Macalester Avenue. N. W. Midway 2129.

RICHARD URIAH JONES, A. B.,*
Professor of Chemistry.
Residence, 1257 Lincoln Avenue. N. W. Midway 940.

*Absent on leave 1915-1916

HUGH STUART ALEXANDER, A. M.,
Professor of Physics and Geology.
Residence, 1596 Summit Avenue. N. W. Midway 1080.

JOHN PORTER HALL, A. B., Registrar,
Professor of Greek.
Residence, 1668 Princeton Avenue. N. W. Midway 3735.

GEORGE WILLIAM DAVIS, Ph. D., D. D.,
Professor of Social and Political Science. College Chaplain.
Residence, 2268 Blake Avenue. N. W. Midway 1152.

GLENN CLARK, A. M., Dean,
Professor of English.
Residence, 1787 Goodrich Avenue. N. W. Midway 1620.

WILLIAM WALTER CORT, Ph. D.,
Professor of Biology.
Residence, 1728 Hague Avenue. N. W. Midway 4518.

FREDERICK JAMES MENGER, A. M.,
Head of the Department of Modern Languages,
Professor of German.
Residence, 1346 Grand Avenue. N. W. Midway 4301.

FREDERIC GIBBS AXTELL, A. M.,
Librarian. Associate Professor of Bibliography.
Residence, 1270 Lincoln Avenue. N. W. Midway 1366.

HAROLD OMER BURGESS, A. M.,
Associate Professor of Latin Language and Literature.
Residence, 1745 Lincoln Avenue. N. W. Midway 2512.

ELIZABETH FITZPATRICK STARR, A. M.,
Associate Professor of Chemistry.
In charge of Dept., 1915-1916.
Residence Excelsior. N. W. Excelsior 126 W.

GRACE BEE WHITRIDGE,
Adjunct Professor of Dramatic Art and English. Physical Director for Women.
Residence, 654 Hague Avenue. N. W. Dale 301.

FARQUHAR DAVID McRAE, Ph. D., D. D.,
Adjunct Professor of Apologetics and History. Student Pastor
Residence, 41 Macalester Avenue. N. W. Midway 537.

DONALD LITTLEJOHN HALVERSON, A. B.,
Instructor in Romance Languages.
Residence, 117 Cambridge Avenue. N. W. Midway 1793.

ESTHER ALLISON TIFFANY, A. B.,
Instructor in English.
Residence, 890 Goodrich Avenue. N. W. Dale 3397.

GERTRUDE CRIST,
Instructor in Bookkeeping and Accountancy
Secretary to Faculty, President and Registrar.
Residence, 1230 Dayton Avenue. N. W. Midway 658.

FORREST C. SMITHSON,
Director of Athletics.
Residence, 1404 Ashland Avenue. N. W. Midway 5749.

EDITH EDNA GOLDSWORTHY, A. B.,
Fellow in Biology.
Residence, 406 Eleventh Avenue S. E., Minneapolis. N. W. East 4598

JENNIE STANLEY HODGMAN,
Lecturer in History of Fine Arts.

Student Tutors

JOHN T. McCALLUM
DAVID N. LING
ETHEL McCLURE
SADIE PORTER

Student Laboratory Assistants and Readers

JESSE HALES
ROHLAND A. ISKER
CARLTON RALPH
RAYMOND LANDON
WILLIAM LAGAS
J. LYMAN SHEEAN
MARGARET DOWNING
WALLACE GIBSON
PAUL WILLIAMS
EVELYN RUMBLE

Assistant in Shop

LAURON H. LOVELACE

Committees of the Faculty

Rules and Discipline

THE PRESIDENT — JULIA M. JOHNSON — GLENN CLARK

Curriculum

GLENN CLARK — H. D. FUNK, W. W. CORT — F. J. MENGER

Music Curriculum

H. E. PHILLIPS — G. H. FAIRCLOUGH — THE PRESIDENT

Library

F. G. AXTELL, JAMES WALLACE — G. W. DAVIS, F. J. MENGER — A. W. ANDERSON, ELIZABETH STARR

Athletics

D. N. KINGERY — W. W. CORT, F. C. SMITHSON — GRACE B. WHITRIDGE

Public Exercises

THE PRESIDENT — GRACE B. WHITRIDGE, H. E. PHILLIPS — J. P. HALL

Publications

J. P. HALL — A. W. ANDERSON, ESTHER TIFFANY — D. N. KINGERY

Matriculation and Classification

J. P. HALL — H. E. PHILLIPS, H. O. BURGESS — GLENN CLARK

Religious Work

F. D. MCRAE, F. G. AXTELL — JULIA M. JOHNSON, ELIZABETH STARR — JAMES WALLACE

Dormitory

THE PRESIDENT — GRACE B. WHITRIDGE, D. L. HALVERSON — JULIA M. JOHNSON

Buildings and Grounds

THE PRESIDENT — GRACE B. WHITRIDGE — S. COOKMAN

Social

GRACE B. WHITRIDGE H. S. ALEXANDER JULIA M. JOHNSON
D. L. HALVERSON

Literary Societies

JULIA M. JOHNSON G. W. DAVIS ESTHER TIFFANY

Honor Scholarship Society

A. W. ANDERSON D. N. KINGERY J. P. HALL

Schedule

A. W. ANDERSON J. P. HALL

Teachers and Schools

H. O. BURGESS A. W. ANDERSON H. S. ALEXANDER
D. N. KINGERY

Advisers

A. W. ANDERSON JAMES WALLACE H. S. ALEXANDER
H. D. FUNK H. O. BURGESS GLENN CLARK W. W. CORT

Student Council

GLENN CLARK ..... GRACE B. WHITRIDGE
GORDON BROWNLEE ..... Senior Representative
JESSIE MCCLURE ..... Senior Representative
W. L. WALKER ..... Senior Representative
C. E. RALPH ..... Junior Representative
A. J. ROBERTSON ..... Junior Representative
WALTER LIENKE ..... Sophomore Representative
JOHN CECIL ..... Freshman Representative

Chapel Monitors

BERYL BROWNLEE	J. L. SHEEAN	ALICE EVERTS
ISABELLE HOWARD	W. L. WALKER	CHARLES GERLINGER
DAVID LING	EFFIE ADAMS	WALLACE GIBSON
JESSIE MCCLURE	LAJLA DALE	E. G. NORSTROM

Other Officials

ALICE M. CLOUGH ..... Housekeeper of Wallace Hall
W. L. WALKER ..... Steward of Edwards Hall
T. E. WADDELOW ..... Steward of Euthenian Club
SAMUEL M. COOKMAN ..... Head Engineer
OLAF CHRISTIANSON ..... Assistant Engineer Wallace Hall
PATRICK LANG ..... Assistant Engineer Main Building
L. G. WEIR ..... Head Janitor

College Representation

Year ending March 1, 1916.

St. Olaf College, Northfield, Minn. Student Volunteer Convention, March 19, 1915. Dr. James Wallace.

College Section on Athletics, Minneapolis, Minn., March, 1915. President T. M. Hodgman, Professors D. N. Kingery, W. W. Cort, G. Clark and J. P. Hall.

Washington and Jefferson College, Washington, Pa. Inauguration of Dr. F. W. Hinitt as President, June 15, 1915. Rev. F. D. Scott.

College Evangelistic Leaders, Chicago, Ill., October, 1915. Dr. J. T. Henderson.

Lafayette College, Easton, Pa. Inauguration of Dr. J. H. McCracken as President, October 20, 1915. Rev. W. P. Lee, D. D. '89

Young Men's Christian Association College, Chicago, Ill. Dedication of College Building, November 28, 1915. Rev. J. M. Davies, '03.

Association of American Colleges, Chicago, Ill., January 20, 1916. President T. M. Hodgman.

Presbyterian College Union, Chicago, Ill., January 19, 1916. President T. M. Hodgman.

1915 **College Addresses**

March 1. Dr. J. C. Robinson of McCormick Seminary, Chicago. "Modern Conditions in Palestine and Turkey."

March 5. Rev. Mr. Costabel of Milan, Italy. "The Waldensian Church, Mother of Protestantism."

March 16. Miss Richardson of Extension Department of Y. W. C. A. "Life and Life Work."

March 23. Rev. J. O. Buswell of Stewart Memorial Church, Minneapolis. "My Father's House."

March 24. Dr. C. A. Barker of Washington, D. C. "The First of the Fine Arts, or How to Be Happy."

April 27. Peter McFarlane, Superintendent of Union Gospel Mission, St. Paul. "The Value of the Bible as a Book."

April 29. Rev. Robert Brown, Moderator of Synod of Minnesota.

May 4. Mrs. J. O. Buswell, Minneapolis. "Sacrifice."

May 5. Miss Haggard, Secretary of the Student Volunteer Association. "The Needs of the Foreign Field."

May 10. Dr. W. H. Landon of San Francisco Theological Seminary.

June 6. Baccalaureate Sermon. Dr. F. S. Stein of Lincoln, Neb.

June 9. Commencement Address, President A. Ross Hill of University of Missouri.

Sept. 15. Opening Address, "College Policies." President T. Morey Hodgman.

Sept. 16. Thirtieth Anniversary Exercises. Addresses by Prof. H. D. Funk and Dr. M. D. Edwards of the Dayton Ave. Presbyterian Church.

Sept. 28. Rev. M. M. Miller of Olivet Congregational Church, St. Paul. "Foundations."

Oct. 5. Rev. J. O. Buswell.

Oct. 6. Dr. T. H. Clelland of Minneapolis. "The Need of the Hour."

Oct. 11. William Brewster, Field Secretary of National Security League. "Preparedness."

Oct. 12. Rev. E. A. McAlpin, President of College Board of Presbyterian Church. "First Things."

Oct. 13. Dr. H. N. Wilson of Central Presbyterian Church, St. Paul. "A Point of Honor."

Oct. 18. Rev. Murdock McLeod of Grace Presbyterian Church, Minneapolis. "Preparedness."

Oct. 25. Rev. J. G. K. McClure of McCormick Theological Seminary, Chicago. "Five Stones."

Oct. 26. Mrs. F. D. McRae of St. Paul. "Story of Ramabai."
Nov. 1. Rev. Paul Rader of Moody Institute, Chicago. "With God's Help."
Nov. 3. Dr. Gerrit Verkuyl, Superintendent of Sunday School Work in Wisconsin and Minnesota. "Teaching."
Nov. 4. Mr. Eddy, National Commissioner of Boy Scouts of America. "The Boy Nature."
Nov. 5. President T. M. Hodgman. "Wilson's Militarism."
Nov. 9. Dr. H. G. Beeman of First Baptist Church, St. Paul. "Handicaps."
Nov. 10. Miss Berner, National Secretary of the Y. W. C. A. "The Greatest Commandment."
Nov. 16. Rev. J. O. Buswell. "The Day of Manifest Power."
Nov. 19. John Sornberger, the Sky Pilot of Northern Minnesota.
Nov. 26. President T. M. Hodgman. "Life and Work of Booker T. Washington."
Nov. 29. Rev. A. B. Marshall, President of Omaha Theological Seminary.
Nov. 30. Rev. Frank Throop of China. "The Broad View."
Dec. 9. Prof. H. D. Funk. "Scholarship and Life."

1916.

Jan. 6. Rev. H. B. McAfee, President Presbyterian Training School of Chicago. "The Need of Assistant Pastors."
Jan. 8. Evangelist Aldrich of New York. "Materialism."
Jan. 11. Mrs. Frank Throop of China. "Women of China."
Jan. 26. Rev. Frank Throop. "The Awakening of China."
Jan. 27. Dr. Kepler of China. "The Awakening of China."
Jan. 31. President W. H. Hannum of College of Montana. "Conditions in India."
Feb. 2. Dr. H. C. Swearingen of House of Hope Church, St. Paul. "The Practical Effects of Trusting God."
Feb. 17-20. Special meetings conducted by Rev. J. O. Buswell of Minneapolis.
March 12. Mrs. Angelini of Italy. "The Spirit of Italy."

General Information

Historical Sketch

Macalester College is the outgrowth of the Baldwin School of St. Paul, projected by Rev. Edward D. Neill, D. D., as far back as 1853; and of a similar institution opened in 1873 by the same gentleman in Minneapolis. In 1874 Charles Macalester, of Philadelphia, donated to this school the valuable property known as the Winslow House, near the Falls of St. Anthony, with the understanding that as soon as possible it should be developed into a college. In his honor the institution was named Macalester College. Until 1880 it was an undenominational school. In October of that year it was adopted by the Synod of the Presbyterian Church of Minnesota. In 1883 a syndicate of the trustees bought the present site and gave it to the Board of Trustees. The first building thereon was erected in 1884 and the college was opened September 15, 1885.

Rev. Dr. Neill, the founder of the college, born in Philadelphia in 1823, was graduated from Amherst in 1842. After completing his theological studies under Rev. Albert Barnes, he came West, and in 1849, commissioned by the presbytery of Galena, Illinois, came to St. Paul as a missionary to the whites. Thereafter until his death (except during the Civil War) he devoted his time about equally to the work of Christian minister and educator. He was the first territorial superintendent of public instruction and the first chancellor of the State University. He is the author of Neill's History of Minnesota, and also of valuable monographs on colonial history. He died September 26, 1893.

Next to Dr. Neill, in point of disinterested service for the college, stands Rev. Daniel Rice, D. D. Educated at Amherst College and at Andover Seminary, after long and useful service in Ohio and Indiana, he came to Minnesota in 1875. The late years of his life (1879-1889) he devoted wholly and gratuitously to the upbuilding of this institution of which he was an honored trustee and professor.

Others most actively interested in the establishment of Macalester College were William C. Baker, Richard Chute, W. W. McNair, John S. Pillsbury, Judge C. E. Vanderburgh, Rev. J. C. Whitney,

Hon. Eugene M. Wilson, Rev. Robert F. Sample, Henry J. Horn, Henry M. Knox, H. L. Moss, Governor Alexander Ramsey, Chas. T. Thompson, Robert P. Lewis, H. K. Taylor, Thomas Cochran and Major B. F. Wright. Later, the College found warm friends and supporters in Rev. David James Burrell, D. D., and Rev. J. B. Donaldson, D. D., for several years president of the Board of Trustees. This list would not be complete without mention of the name of James Wallace, Ph. D., acting president 1894-1900 and president 1900-1906, whose faith and loyalty never faltered during the dark days following the panic of the early nineties. A number of the trustees were honored sons of Eastern colleges, such as Amherst, Hamilton, Williams, Lafayette, University of New York and Union. The purpose, therefore, in the minds of these men was to build up in the Northwest an institution after the noble character and aims of these institutions whence they came. This was their ideal.

From the beginning Macalester College was burdened with debt, and altho, under the leadership of Dr. James Wallace and Rev. David C. Platter, financial secretary, this debt was considerably reduced, yet, on account of the hard times of the nineties, it had, by June, 1898, risen to $180,000. Again, under Dr. Wallace's administration, with the energetic assistance of Robert A. Kirk, Thomas Shaw and Rufus C. Jefferson, the board was reorganized, the debt liquidated, and efforts for a permanent endowment begun. By February, 1907, pledges had been made amounting to about $175,000.

Dr. James Wallace resigned the presidency June, 1906, and in January, 1907, Thomas Morey Hodgman, of the University of Nebraska, was elected president. On July 1, 1911, the trustees certified that a total of $467,000 had been given; that of this total, $307,000 was invested in endowment securities and $160,000 in Wallace Hall and Carnegie Science Hall; that total assets were then $670,000, and that Quail, Parker & Co., Certified Public Accountants, had audited the financial accounts and standardized the method of bookkeeping. The chief gifts were $75,000 from the General Education Board, $50,000 from Mr. Andrew Carnegie, $50,000 from Mr. James J. Hill, $50,000 from Mr. Frederick Weyerhaeuser, $25,000 from Mr. O. A. Robertson and over $75,000 from other Trustees. The debt of gratitude which church and college owe those who clung to the institution and who came to its help in the dark days—many of them are still members of the Board of

Trustees—is not yet fully appreciated and can never be repaid. The patience, devoted loyalty and heroic sacrifices wrested a great victory out of apparent defeat.

Macalester College celebrated its quarter centennial June, 1910, with impressive ceremonies. By direction of the Board of Trustees and at the expense of the college, a History of Macalester College was published by Professor Henry D. Funk.

Macalester College sets, for its ideal of efficiency, an endowment of $1,000,000, a plant of $500,000 and a maximum attendance of 500 college students. Its most pressing needs are a gymnasium for men, a central heating and power plant, a library building and a chapel.

The Trustees, on June 9, 1914, completed a second endowment campaign for $250,000. Payments of pledges are now being made and must be completed by July 1, 1916. When these are all paid the college resources will total $960,000.

The Preparatory Department of Macalester College was known as "Baldwin School." It was founded by Rev. E. D. Neill, in 1853, thirty-two years before the opening of the College, and named after Mr. M. M. Baldwin, of Philadelphia. This gentleman had contributed liberally toward the development of Christian education in the Northwest and contemplated the establishment of a university which should bear his name. A charter for such an institution was obtained in 1864, providing also that the preparatory department should be called "Baldwin Grammar School." Mr. Baldwin's untimely death made impossible the establishment of the proposed university. In 1874 the founder of "Baldwin School" obtained a bequest for a college from Mr. Charles Macalester. In appreciation of this gift the charter for "Baldwin University" was revised, the institution being named "Macalester College," and it was further provided "that the preparatory department of said Macalester College shall be known as the Baldwin School." From 1885 to 1890 the catalogs of the college omitted the legal title of "Baldwin School" in describing its courses, referring to it only as the "Preparatory Department." The founder of the School having directed the attention of the Board of Trustees to this omission, the Board ordered that in subsequent catalogs the academy be designated as "Baldwin School." This request was observed during the next four years. Then the description of the preparatory department appears under the caption:—"Macalester Classical Academy." As this name had been adopted without any change in the charter

legalizing it the Board of Trustees in 1910 again directed the restoration of the original and charter name of the academy, "Baldwin School."

In accordance with the plan, adopted by the Board of Trustees, of Macalester College, at the annual meeting in June, 1913, to discontinue the activities of a preparatory department, Baldwin School goes out of existence at the close of this year. For next year, however, a few sub-freshmen classes may be necessary.

Presidents of Macalester College

Rev. Edward Duffield Neill,* D. D., 1873-1884.
Rev. Thomas A. McCurdy,* D. D., 1884-1890.
Rev. David James Burrell, D. D., 1890-1891.
Rev. Adam Weir Ringland, D. D., 1892-1894.
Prof. James Wallace, Ph. D.,
Acting President, 1894-1900; President 1900-1906.
Prof. Thomas Morey Hodgman, M. A., LL. D., February, 1907—.

Form of Bequest

The corporate name of the institution is Trustees of Macalester College.

Legal Form of Bequest.—I give and bequeath to the Trustees of Macalester College of St. Paul, Minnesota, duly incorporated under the laws of Minnesota, the sum of .....dollars.

Location

Macalester College is located in Macalester Park, St. Paul, a beautiful suburb in the so-called Midway district. The location is favorable for study, for the development of a pure and wholesome college life, and for careful supervision of the conduct of students. Easy access to the Twin Cities is afforded by the Grand Avenue and Snelling Avenue electric lines—the latter of which connects with all four interurban lines. This combination of college and city life is a unique advantage to Macalester students. The cultural opportunities which the public libraries, churches, lecture courses and musical entertainments of these cities offer, are important and react most beneficially upon both faculty and students.

Campus

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue, a fine boulevard two hundred feet in width, which connects the Twin Cities. The College buildings, seven in number, are situated on the north half of the campus, while the ample athletic field, grove of oaks and ice skating rink occupy the southern half.

*Deceased

Buildings and Equipment

The Main Building is of brick, one hundred feet long and fifty feet wide, three stories high with basement, and contains class rooms, society halls, men's gymnasium, library, auditorium and executive office. The building is heated by steam and provided with its own electric light plant.

The Carnegie Science Hall, the gift of Mr. Andrew Carnegie, is a three-story building with a full height basement. It is essentially fireproof, being constructed of reinforced concrete and brick. The exterior is of colonial brick with trimmings of Bedford limestone. The floors are of maple over reinforced concrete except those of the halls which are of cement with terrazzo borders. The interior finish and furniture are of birch. The basement contains a wood shop and a metal shop for applied mechanics. The first floor is devoted to physics and mineralogy; the second to biology, mathematics and astronomy; and the third to chemistry. The entire building is electrically lighted and steam heated. Ventilation is of the most approved type. Pure air passes into the basement over steam coils and is driven thru the building by electric fans. In the attic another fan draws out the foul air. Electrical connections are provided in all of the lecture rooms for both direct and alternating currents for projection as well as for general demonstrations and lectures. Light is abundant and well directed. For its size and purpose this building has no superior.

Museum.—In the Science Hall is the Museum, small at present, but growing. The Lewis Collection of Indian relics is rare and valuable, as is also the Educational Collection of marine invertebrates and fishes contributed by the Smithsonian Institution, Washington, D. C. Friends are invited to keep in mind the importance of a museum in educational work.

The Men's Dormitory is a three-story brick building, ninety feet long by thirty-eight feet wide. The second and third floors contain twenty double rooms designed to accommodate two students each. The rooms are furnished with plain, substantial furniture, are well lighted and thoroly comfortable. This hall is for men exclusively. The building is heated by steam and lighted by gas. Students must care for their own rooms or arrange with some one to do so.

Wallace Hall is a new building for women, situated at the corner of Summit and Macalester avenues, and so arranged that

GENERAL VIEW OF COLLEGE BUILDINGS

Men's Dormitor | Main Hall | Science Hall

sunlight falls into every room. In addition to the students' rooms there are elegant parlors, a dining room that seats one hundred, and a large gymnasium in the basement. The classes for the physical training of women are held here. It is heated by steam, lighted by electricity, has hot and cold water in every room, shower and tub bath facilities. It accommodates eighty students. The whole building has every modern appointment and is absolutely fireproof. It is believed that no building of its kind west of Chicago can approach it or be compared with it in plan and equipment. Choice of rooms will be given in order of application.

Edwards Hall is a substantial three-story commons for men, on Macalester Avenue, one block south of the college. It is named after W. C. Edwards, of St. Paul, thru whose liberality it was erected. It sets tables for seventy-five. The students in this building form a club and manage the boarding department under a matron and other officers of their own choice, subject to the general supervision of the faculty.

Taylor Cottage, named in memory of H. Knox Taylor, a trustee and treasurer, is a frame building similar to Moss Hall, and used at present as a professor's residence.

Euthenian Hall, corner of Lincoln and Snelling avenues, is a commodious and attractive dormitory, leased by a club of men and under the management of its officers. It lodges twenty students and has dining room facilities for twenty-five.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus, used as a practice hall by the School of Music. It contains sixteen rooms, heated by steam and lighted by gas.

Heat, Light and Power Plant.—A central plant containing two boilers, an engine and a dynamo, supplies the Main Building, the Men's Dormitory and the Science Hall with steam heat, electric light and power.

Shaw Field.—Provision for the encouragement and development of outdoor athletics has been made by the construction of the Thomas Shaw Athletic Field. This contains four acres of the campus lying directly south of the main building and is enclosed by an iron fence. A quarter-mile track, twelve feet wide, with turns on a hundred-foot radius, is one of the important features of the field. This track is on a dead level and has a foundation of coarse cinders five inches deep, on top of which is a layer of fine surfacing cinders

two inches deep. The part of the field enclosed by the track is laid out as a football and baseball field and also provides room for an outdoor basketball field. The whole area within the track is perfectly level and, with the exception of the diamond, is seeded down with a special mixture of lawn grass seed which will stand the rough usage athletic fields naturally receive.

On the east side of the field between the fence and the track lies an elevated strip about thirty feet wide along which a series of bleachers is being constructed. These are to be in units having a seating capacity of about five hundred each.

The track in front of the bleachers has straight extensions at the corners which provide a straightaway track for all the short races, while just inside the curb the proper settings are provided for the pole vault, the running broad jump and the discus throw.

Shaw field, which was dedicated at the opening of the school year in 1909, was named in honor of Professor Thomas Shaw, President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

The college buildings with their furnishings, laboratory equipment, library, together with the campus, are conservatively valued at $372,842.

Library

The Library contains about fifteen thousand volumes. The working collection is located on the third floor of the Main Building; less used books are on other floors. For greater security the Neill collection has been placed in the museum room in Science Hall; in this building also are department collections.

The Neill collection includes rare works in Puritan and Colonial history and theology, and in early American travels, together with examples of fifteenth and sixteenth century printing and valuable autograph letters.

The Dewey system of classification is used.

For maintenance of the Library there is set apart each semester two dollars and fifty cents of every tuition fee.

Henry L. Moss, a former trustee of the college, at his death in 1902, left his property for the support of the Library, subject to life use by Mrs. Moss. The income from this bequest is at present three hundred and sixty-seven dollars.

The alcove of economics receives twenty-five dollars annually from Mr. F. A. Hodgman, of New York City, in memory of his mother, Mary Hurlbut Hodgman.

Annual gifts or permanent funds are desired for other alcoves.

The Library is open every school day during the college year from eight until five o'clock and on Saturdays and holidays from nine to twelve and from one-thirty to five o'clock.

The following periodicals are on file in the Library or in the department libraries:—

Advocate of Peace.
American Economic Review.
American Historical Review.
American Journal of Archaeology.
American Journal of Sociology.
American Naturalist.
American Political Science Review.
Annals of the American Academy of Political and Social Science.
Assembly Herald.
Association Men.
Art and Archaeology.
Atlantic Monthly.
Bible Society Record.
Biological Bulletin.
Bookman.
Century Magazine.
Christian Endeavor World.
Classical Journal.
Continent.
Country Life in America.
Courrier des Etats-Unis.
Current Opinion.
Dial.
Editor.
Educational Review.
English Journal.
Etude.
Everybody's Magazine.
Expository Times.
Forum.
Harper's Magazine.
Herald and Presbyter.
Hibbert Journal.
Home Mission Monthly.
House Beautiful.
Independent.
International Review of Missions.
Journal of Educational Psychology.
Journal of Geology.
Journal of Home Economics.
Journal of Political Economy.
Literary Digest.
Living Age.
London, Edinburgh and Dublin Philosophical Magazine.
Missionary Review of the World.
Mississippi Valley Historical Review.
Musician.
Musical Courier.
Musical Quarterly.
Nation.
National Geographic Magazine.
New Republic.
North American Review.
Outlook
Political Science Quarterly.
Popular Astronomy.
Popular Mechanics.
Presbyterian.
Progress.
Publications of the Modern Language Association of America.
Quarterly Journal of Economics.
Range News.
Reader's Guide to Periodical Literature.
Record of Christian Work.
Religious Education.
Review of Reviews.
St. Paul Pioneer Press.
School and Society.
School Review.
Scientific American.
Scientific American Supplement.
Scientific Monthly.
Scribner's Magazine.
Sunday School Times.
Survey.
Woman's Work.
World's Work.
Yale Alumni Weekly.
Yale Review.
Zeitschrift fur den Deutschen Unterricht

Administration

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to guard well their honor and that of the institution, and to maintain a wholesome esprit de corps.

Some regulations, however, are necessary, and when students matriculate it is understood that they thereby submit themselves to the government of the college and pledge themselves to support the same while they are members of the institution. They are

expected, and, by virtue of their matriculation as students of the institution, are understood to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, daily morning prayers, and Sunday morning service, and to be diligent in preparation of all tasks assigned.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The dormitories are organized on the self-government plan under adequate faculty cooperation. A Student Council, composed of student and faculty representatives, voices student opinion and cultivates student self-control.

Registration

Students are required to register by the beginning of each semester. In case of delay in registration beyond the registration days indicated in the college calendar, a fine of one dollar will be imposed for the first day and fifty cents for each subsequent day. No excuses will be granted for late registration. Students may register by mail on deposit of tuition fee.

No student is permitted to register after the fourth Monday of the semester.

Students registering later than the second Monday of the semester are required to secure permission from the heads of the departments in their respective courses.

The student who has failed in more than half the work of the first semester, counted by hours, may not register for the second semester.

The prospective student will facilitate registration by procuring from the college an application blank on which his principal or superintendent should fill in the student's credits. This blank should be mailed by the proper school authority to the Registrar by the first of September.

Examinations and Reports

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester.

Students who fail in term grade or in both the regular and condition examinations, must take the subject again in class to secure credit.

For private and condition examinations a fee of fifty cents shall be paid for each examination to the Secretary of the Faculty, who shall thereupon issue a permit. Private examinations will be authorized by the faculty only, and for the most urgent reasons stated in writing.

Examinations for removal of conditions will be held on the second Monday after the first Wednesday of each semester at 2:20 p. m. Attendance upon these examinations is obligatory.

Degrees

Graduates from the classical course receive the degree of B. A.; those from the scientific course the degree of B. S.

No student shall be entitled to graduate who shall not have been attending the college at least one year.

Fellowships

The Board of Trustees has offered a limited number of fellowships open to graduates of other approved colleges and carrying a yearly stipend of $300. The holders are required to devote one-half of their time to assistance in the department offering the fellowship and the other half to graduate study in the University of Minnesota.

Prizes and Scholarships

Noyes Prize.—Mrs. D. R. Noyes has given $2,000, the interest on which is used as prizes for student scholarship. Last year the senior prize was awarded to Catharine Lealtad, the junior to Margaret Douglass Downing and the sophomore to Charles Gerlinger.

Stringer Prize.—Thru Mr. E. C. Stringer, of St. Paul, the college is able to offer an annual prize of twenty-five dollars, to be given to that student of the college, who, having not fewer than fourteen recitations a week, takes the first place in the preliminary oratorical contest mentioned above, and represents the college in the state contest. Awarded last year to Paul Bremicker.

Debate Prize.—Mr. Walter L. Mayo, of St. Paul, offers a prize of thirty dollars, to be distributed to the six students who win positions on the state intercollegiate teams. The winners last year were G. R. Collins, H. D. Lindgren, Irving Roth, Charles Gerlinger, Walter Lienke, Swan Mattson and G. A. Jensen.

Macalester-Hamline Senior Prize in Oratory.—One hundred dollars in prizes is distributed among the winning contestants in an annual dual oratorical contest between the senior classes of Hamline and Macalester College. The first prize consists of fifty

dollars, the second of twenty-five dollars and the third of ten dollars and three of five dollars each. The contest in 1915-16 was won by G. R. Collins of Macalester.

Temperance Oratorical Prize.—Each year twenty-five dollars is given by The Board of Temperance to be divided in prizes of fifteen and ten dollars for the best orations on some phase of the temperance question. First prize won this year by Charles Gerlinger.

Shaw Scholarship.—Given by Professor Thomas Shaw, of St. Paul, to the nominee of the Central Presbyterian Church, of St. Paul, yielding $50 per annum.

Silliman Scholarship.—Offered by Mr. H. B. Silliman, of Cohoes, N. Y., and yielding $50 per annum. Awarded this year to Erling Eriksen.

Williams Brothers Scholarship.—Louis H. and Charles R. Williams, of Minneapolis, have given $1,000, the income from which is for the aid of a student selected by the faculty. Held this year by Olga Terzieff.

Webb Scholarship.—Mr. E. A. Webb has given $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church, St. Paul. Held this year by Vergil H. Guthrie.

Winona Scholarship.—The First Presbyterian Church has given $1,000, the interest of which is to aid a candidate nominated by this church. Held this year by Irving Williams.

Biology Scholarship.—Dr. Archibald MacLaren, of St. Paul, contributes $50 this year to aid a student in the department of biology, to be selected by the head of this department. Held this year by Raymond Landon.

New England Scholarship.—The St. Paul Colony of New England women gives this year $60 to a young woman of New England parentage. Held this year by Clara Robinson.

Scott Scholarship.—Mr. William H. Scott, of Philadelphia, gives $60 for a scholarship awarded by the faculty.

Paul Scholarship.—Mr. J. Rodman Paul, of Philadelphia, gives $60 annually for a scholarship awarded by the faculty.

McLain Journalism Scholarship.—Mr. J. S. McLain offers a prize of $50 for the encouragement of high class English work on the Mac Weekly. Awarded this year to A. B. Hood.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry.

Honorary Scholarships of $50 each are offered to the first ranking student among the young men and also among the young

women in each graduating class of an accredited four-year high school, provided that the superintendent certifies that such students are of honor grade.

Rhodes Scholarships.—"In order to keep this well known bequest before the minds of present or prospective students it is briefly mentioned. Circulars of full information can be obtained at the president's office. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sophomore year of study, may be a candidate for one of the Minnesota scholarships. This insures to the winning contestants a three years' residence in Oxford University, England."

Loan Fund.—A loan fund of one thousand dollars has been started by the Faculty Women's Club. Three hundred dollars are now being used as a loan for short periods, without interest, to junior and senior students.

Student Activities

The Y. M. C. A. has a membership of about seventy students. It holds its regular meeting every Tuesday morning and evening. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students. The president of this association is Charles Gerlinger.

The Y.W. C. A. has this year a membership of about seventy-five. Its regular meeting is held every Tuesday morning. There is also a flourishing mission-study class. The president of the association is Alice Everts.

Literary Societies.—In the college there are five literary societies under the general oversight of the faculty. The Hyperion society admits to membership both men and women; the Athenaean and Eulogian societies admit men, and the Clionian and Philotian societies, women.

In the Music School, the Euterpean society is open to music students.

No literary society or other student organization may be established without the consent of the faculty.

Debate and Oratory.—All matters pertaining to debate and oratory are under the charge of the Forensic Board. This Board is composed of one representative from each literary society, one from each class and three representatives from the faculty.

The college takes part in four intercollegiate oratorical contests. Of these, three are state contests; the State Intercollegiate, the

State Temperance and the State Peace Oratorical Contests. The other is the Hamline-Macalester Senior Oratorical Contest. A preliminary home contest is held for each of these contests, making four home contests, for which suitable prizes are offered. Macalester's representatives this year were, in the State Intercollegiate, G. R. Collins; in the State Temperance, Charles Gerlinger. The representatives in the Macalester-Hamline Senior Oratorical contest were G. R. Collins, H. N. Huelster and A. H. Norum.

The college takes part in four debates this year, meeting Hamline, Coe, Lawrence and Beloit. The following men made up the squad from which the teams have been selected: G. R. Collins, Irving Roth, Charles Gerlinger, Walter Lienke, Wylie Akenson, Frank Holmes, Wallace Gibson, John Cecil, G. P. Hough and N. E. Nygaard. The Freshman-Sophomore Annual Debate for the loving cup provided by the Forensic Board was won this year by the Sophomore class.

College Chorus.—H. E. Phillips, leader.

College Band.—Walter Lienke, leader.

College Glee Club.—Vergil H. Guthrie, leader.

Women's Glee Club.—H. E. Phillips, leader.

Education Club.—This is an organization of students interested in the advancement of pedagogical training and knowledge. The club meets on the first and third Monday evenings of each month. All college students are eligible to membership.

The M Club is an organization founded principally to keep those who have won the letter in touch with each other and to foster athletics.

The club was organized Dec. 3, 1913. When a Macalester student has earned an M he becomes a member on payment of one dollar initiation fee. No annual dues are paid while the student is in school.

Meetings are held about once a month when dinner is served and toasts are given by faculty members, alumni and coaches.

During the business meeting which follows, questions concerning athletics are brought up. The club does everything in its power, in keeping with the spirit of the school, to promote athletics and attract students from the surrounding territory.

Any one who desires information concerning the college may write to the officers mentioned below, or to any M man whom he knows and the information will be given.

President, D. S. Doty, 1708 Marshall Ave., St. Paul.

Secretary and Treasurer, R. E. Greig, Macalester College, St. Paul.

The Honor Scholarship Society

This society was organized in 1914 with twenty charter members. The aim in this body is to stimulate scholarship and intellectual interests in the college. It regards scholarship, intellectual leadership, originality and character as the requisites for eligibility to membership.

The society is composed of twenty-five members; four unconditioned sophomores and sixteen juniors and seniors. New members are elected by the faculty at the beginning of October in each year. The eligible list for new members is composed of students having an average standing of at least *B*, together with any others who may be added by a three-fourths vote of the faculty. Half of the members to be elected are chosen on the basis of scholarship as shown by the registrar's records. The remaining half are chosen by ballot of the faculty from those students who are on the eligible list.

The society has an active member's pin of silver, which is presented to each new member at the recognition exercises when he enters the society, and a graduate member's pin of gold, which is presented to graduating members at, or just preceding, commencement. The officers of the society are:—President, V. H. Guthrie; Vice-President, Margaret Williams; Secretary, Anna Nelson; Executive Committee, the above officers together with Professors A. W. Anderson, D. N. Kingery and J. P. Hall.

The list of members is as follows:—

Beryl Alberta Brownlee
George Rowland Collins
Lajla Marie Dale
Francis Marion Dana
Margaret Douglass Downing
Alice Muriel Everts
Charles Gerlinger
Vergil Homer Guthrie
George Percy Hough
Bertha Mamie Hurr
Esther Jerabek
David Nathaniel Ling
Ethel Marie McClure
Jessie Elizabeth McClure
Ruth Ludlow Moore
Anna Seraphina Nelson
Adolf Olson
Evelyn Bradbury Page
Joseph Howard Rhoads
Irving Roth
John Lyman Sheean
Fremont David Taylor
Olga Constantine Terzieff
Faith Boyden Torinus
Margaret Jane Williams

Religious Life and Exercises

Macalester was founded as a Christian college. The atmosphere of the college has always been warmly religious. The Young Men's

and Young Women's Christian Associations are large and active. The city offers much opportunity for religious work. In keeping with the purpose of the founders of the college the faculty makes the following requirements:—(1) all students registering for more than five hours a week in college studies are required to include the equivalent of at least one hour a week of Bible study for the year; (2) attendance at the daily chapel exercises of the college at ten o'clock in the morning is required of all college students without exception; (3) attendance at Sunday morning church services is expected of all students and required of all who are not living at home with their parents. Presbyterian students, not living at home, are expected to attend the Macalester Presbyterian Church. Students connected with other churches either by membership or sympathies are excused to attend the church of their preference.

The Macalester Church has initiated a system of affiliated memberships, by which the student who wishes may retain his membership with his home church while at the same time coming into such relation with the local church at the college that he may feel that he has here a church home and center for his religious life. Students are urged to take advantage of this offered affiliation.

Physical Training and Athletics

Athletics and careful physical training are encouraged, and three dollars of the tuition fee for each semester are set apart for the support of athletics. Students are thereby entitled to admittance to all athletic contests and to the use of the gymnasium and skating rink. The athletic field is enclosed, and contains about four acres. There are a number of lawn tennis courts. A large skating rink has been provided in the midst of the oak grove at the south of the campus, and has been very popular. Trained coaches are provided for field sports.

All men not excused by the director of athletics are required to take gymnasium drill twice a week for at least one-third of each year. A competent instructor and adequate equipment are provided.

Classes in physical training are conducted for young women in the gymnasium of Wallace Hall. Attendance is required of freshmen.

A course in personal hygiene for one semester is required of all students. On completion of two years' physical training one credit is given for this course.

Teachers' Bureau

The college maintains a reliable teachers' bureau as a means of communication between graduates and superintendents and school boards desiring competent teachers. Graduates will not be recommended to positions for which they do not give good evidence of fitness. This service is given without charge. Those desiring to make inquiry in regard to teachers should address The Teachers' Bureau, Macalester College, St. Paul, Minnesota.

Publications

The following publications are issued from the college:—

The College Catalog, which is one number of **The Macalester College Bulletin,** a quarterly paper devoted to the advertisement and advancement of the institution.

The Mac, a triennial publication devoted to college interests, published by the college students.

The Macalester Weekly is a student publication established this year. It gives expression to student opinion upon matters of college life, and gives complete accounts of all college events. The editor-in-chief is G. R. Collins.

Expenses

Students' fees are paid at the beginning of each semester, before completion of registration and strictly in advance, as follows:—

Tuition, regular student	$33.00
Special student (not more than eight hours)	18.00
Special student (not more than five hours)	12.00
Special fees—	
Biology	3.00
Chemistry	5.00
Physics	3.00
Geology	1.00
Applied Mechanics	4.00
Homemaking	1.00
Mechanical Drawing	.50
Locker, annual fee	1.00
Diploma	5.00

No deductions are made except for sickness lasting a month or more.

From tuition fees the trustees, on recommendation of the faculty and students, appropriate the following amounts: athletics, $3; library, $2.50; band, orchestra, debate and oratory, 50 cents; "The Mac," 50 cents; newspaper, 75 cents.

Refunding Tuition.—If a student leaves the institution at any time after entrance without the approval of the faculty or because he has been suspended or dismissed, no money is refunded.

Those withdrawing for other reasons, on or before the middle of a semester, will be allowed an equitable percentage on tuition paid.

Special Rates

1. Sons and daughters of ministers of any denomination are allowed a rebate of eight dollars each semester on tuition.

2. All candidates for the ministry, of whatever church or denomination, are allowed a rebate of eight dollars each semester on tuition upon the following conditions:—

(1) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the treasurer certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(2) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated, in the event of their abandoning their purpose to enter the ministry.

The above concession, tho made at a great sacrifice to the college, is offered cheerfully, with the purpose of enhancing, as far as possible, the usefulness of the college. It is, however, justly expected of those who are thus helped that they will be faithful in promoting, as far as possible, the welfare of the institution and that they will complete their course of study at this institution.

3. When more than one person from the same family attend college at the same time a rebate of $4 on tuition fee will be allowed to each person after the first. This rule does not apply to those receiving other privileges or rebates.

Rooms and Board

Room rents for all college buildings and board at Wallace Hall are to be paid in advance each month of twenty-eight days.

Wallace Hall for Women
Board per week, each person.....$4.00
Room rent per week, each person.....$1.50 to 2.00
Men's Dormitory
Room rent per week—corner rooms, with care.....$1.25
Room rent per week—inner rooms, with care.....1.00
For each person.

All rooms have two occupants and the rentals include light and heat.
Men students board at Edwards and Euthenian clubs, or in private families. Board costs on an average fifty cents a day or $3.25 to $4.00 a week. Rooms in private families per month, $6.00 and up.

Occupants of dormitory rooms are held responsible for their rooms for the semester unless obliged to withdraw from college.

Each student in the college dormitories is required to deposit $2.50 (including deposit for key) as a guarantee against damage to college property, and to make it up to that amount at the opening of each semester thereafter. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done in dormitories by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave the dormitory.

Rooms

(1) **Furniture.**—All rooms in men's dormitories are furnished with bedsteads (two-thirds size), mattresses, pillows, dresser stand, bowl and pitcher, study table, book shelves and three chairs. The toilet room lavatory is supplied with hot and cold water. Students in the dormitories must provide their own bed clothing, towels, napkins and carpets or rugs. In Wallace Hall there are single iron beds, mattresses, pillows, dresser, study table, two rockers, two study chairs, a lavatory with hot and cold water, steam heat and electricity. Floors are of hardwood.

(2) **Application.**—Application for room in the dormitories should be made as early as convenient to the President. Reservation in Wallace Hall is $3; in men's dormitory, $1. This applies on first month's rent. Rooms will not be held later than the opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come, the money advanced will not be returned. Rooms will be assigned in the order of application.

No deduction is made for vacations during school year. Students are charged for their rooms till they are formally vacated—whether continuously occupied or not—and keys surrendered.

Each dormitory tenant is held responsible for the rent for the entire semester. A student may shift this responsibility by securing a new tenant not occupying dormitory quarters, but is relieved from the obligation only on withdrawal from the college for good reasons.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Students who are in arrears at the end of any semester will be refused credits for the semester's work until all bills incurred by them have been paid; also future registration will be denied and no

class work allowed until settlement satisfactory to the treasurer has been made.

Self-Support

Students desiring to do something toward defraying their own expenses can usually find some way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way thru college, provided the summer vacation is improved to increase his income.

The Y. M. C. A. employment bureau has been organized to assist students in finding work. There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the new-comer is cheerfully made. Address all communications to Chairman Employment Committee, Macalester College, St. Paul.

Telephone

The college may be reached by the Northwestern telephone, Midway 486; The President's residence, Dale 2450; Wallace Hall, Midway 535; Men's dormitory, Midway 320; Edward's Hall, Midway 2175; Euthenian Hall, Midway 1259; Head Janitor, Midway 4414; Head Engineer, Midway 722; Conservatory of Music, Midway 2656.

College of Liberal Arts

The *men of experiment* are like ants—they only collect and use.

The *reasoners* resemble spiders, who make cobwebs out of their own substance.

But the bee takes a middle course; it gathers the material from the flowers, but digests it by a power of its own.

So *true philosophy* neither chiefly relies on the powers of the mind, nor takes the matter which it gathers and lays it up in the memory, whole as it finds it, but lays it up in the understanding, to be transformed and digested. —*Francis Bacon.*

Entrance Requirements

General Statement

The satisfactory completion of fifteen units of properly coordinated work of high school grade is required for admission to the freshman class of the college. The following units are required: four in English and two in Mathematics. By a unit is meant four or five recitation periods a week in a subject, carried thruout a year of thirty-six weeks. The recitation periods must be of not less than forty minutes in length.

Admission by Certificate

From Accredited High Schools and Academies.—Graduates of accredited high schools and academies requiring a four-year course are admitted without condition to the freshman class, subject to the requirement of the preceding paragraph. Accredited schools are those on the list of the North Central Association of Colleges and Secondary Schools, the list of Minnesota high schools prepared by the State Superintendent and similar lists of the high schools of other states.

Applicants for admission to the freshman class should apply to the Registrar for the Applicant's Admission Blank, which should be filled out by the principal of the high school or academy in which their courses were taken, and mailed by him to the Registrar, by the first of September.

From Unaccredited High Schools and Academies.—Graduates of such schools should secure the Applicant's Blank from the Registrar of the college, and have it filled out and sent to the Registrar as in the case of Accredited Schools. The credits will then be evaluated by the Matriculation Committee of the College.

Registration with Conditions.—A student submitting thirteen and a half units will be admitted as freshman, conditioned, and may make up deficiencies in certain sub-freshman courses. See Departments.

Admission by Examination

Students not presenting certificates as provided for above must present a course of study equal to a four-year high school course. Such students will be examined in the course presented by them and will be admitted to freshman standing on passing the exami-

nation satisfactorily. These examinations will be given on the Monday and Tuesday preceding the opening of the college in September.

Suggestions to Students Preparing for Macalester College

The following suggestions respecting high school courses are not mandatory, but may be of value to future college students, now in high school or academy.

Suggested Units.—Students expecting to study for the B. A. degree are advised to present the following ten units for entrance:

English 4	Algebra 1½ or 1
Latin 4	Geometry 1½ or 1

The remaining five units may be selected from the following:

History 1 or 2	Physics 1
German 2	Civics ½
Greek 2	Physiology ½ or 1
French 2	Zoology ½ or 1
Chemistry 1	Physical Geography ½ or 1
Botany ½ or 1	Manual Training ½ or 1

Students intending to study for the B. S. degree are advised to present the following ten units:

English 4	Algebra 1½
German or French 2	Geometry 1½
Chemistry or Physics 1	

The remaining five units may be selected from the following:

Chemistry (if not above) 1	Physics (if not above) 1
Botany ½ or 1	Physiology ½
History ½, 1 or 1½	Greek 1 or 2
Zoology ½	Physical Geography ½ or 1
French 1 or 2	German 1 or 2
Manual Training ½	Civics ½

Suggested Courses of High School Study.—The following courses of study are suggested to students now in high schools who are preparing for entrance to Macalester College. Courses such as these will furnish substantial preparation for the work of the college and will articulate well with its courses:

For the B. A. Degree

Composition and Rhetoric 2 units
Literature 2 units
Algebra 1 or 1½ unit
Geometry 1 or 1½ unit
Latin 4 units
Greek or German 2 units
History and Civics 2 units
Natural Science 2 units

For the B. S. Degree

Composition and Rhetoric 2 units
Literature 2 units
Algebra 1½ unit
Geometry 1½ unit
Latin 2 units
German 2 units
History and Civics 2 units
Natural Science 2 or 3 units

Admission with Advanced Standing

From Other Colleges.—Students coming from reputable institutions of collegiate grade should present letters of dismissal and are then given standing in Macalester College, allowing a fair equivalent on the course here for work done elsewhere.

All credits from other institutions, for which the student wishes credit in this institution, must be presented at the time of registration. Credits presented later from other institutions will not be considered.

From High Schools and Academies.—Ordinarily, no credit will be allowed on the college course for excess units of work done in the high school or academy. A student asking for such credit should note the following conditions:—

(1) No credit will be allowed except for an excess beyond seventeen units of high school or academy work.

(2) No credit will be allowed except after an examination by the college instructors to whose departments the subjects belong.

(3) In no case will credit be given for more than half the time which the subjects consumed in the preparatory school course.

(4) The Matriculation Committee will decide which of the student's excess units may be submitted for college credit.

Courses of Study

The College of Liberal Arts embraces the following general courses:—

1. The Classical Course, leading to the degree of B. A.
2. The Scientific Course, leading to the degree of B. S.

On entrance, the student makes choice of one of the above courses. Thereafter, deviation from the course chosen must be with the approval of the faculty upon written application, stating reasons.

Requirements for Graduation

Number of Credits.—One hundred and twenty-seven credits are required for graduation in either of the above courses.

The term credit in the following pages means one hour a week for one semester in class room, or its equivalent in laboratory.

Credits Required in All Courses.—The following credits are required both for the B. A. and the B. S. degree:—

(1) 7 credits in Religious Education and Mental Science 3.
9 credits selected from Greek 9 and History 3, Mental Science 4a and Religious Education.
At least two credits must be secured each year.
(2) 6 credits in English 1.
(3) 6 credits in Social and Political Science and History.
(4) 3 credits in Mental Science 1.
(5) 1 credit in Personal Hygiene.
32 credits required of all.

Credits Required for the B. A. Degree.—For the B. A. degree, the following credits in addition to the above are required:

(1) Six years of foreign language, four of which may be secured in the high school or academy. Four years of this requirement must be in one language, two in another. One year of a language may not be counted for the six here required. If the student's major be in Group I, two of the six years must be Latin or Greek.

(2) 12 credits in science.

Credits Required for the B. S. Degree.—In addition to the requirements in all courses, the following credits are required for the B. S. degree.

(1) 8 credits in Mathematics 1 and 2.

(2) Two years of a modern language in the college course, unless student presents three units of a modern language, or two

units of a modern language and two units of another foreign language from high school or academy.

(3) In addition to the major, the student must have eighteen credits from two departments of science.

Courses for the Freshman Year.—The required courses for the freshman year are:—

For the B. A. Degree

Religious Education, 1,2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
One subject from Group III.
Personal Hygiene

For the B. S. Degree

Religious Education, 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
Mathematics
One Subject from Group III.
Personal Hygiene

The elective courses for the freshman year are:—

Religious Education 1 (second semester)
Biology 1, 2
Chemistry 1, 2, 3
Expression 1
Foreign Language
History 1, 5, 6
Mathematics 1A, 1, 2, 9
Applied Mechanics 1

Religious Education 1 (second semester)
Biology 1, 2
Chemistry 1, 2, 3
Expression 1
Foreign Language
History 1, 5, 6
Mathematics 9
Applied Mechanics 1

Language requirement must be completed if possible by the end of sophomore year.

Science requirements in the B. A. course must be completed by the end of the junior year.

History and social science requirements must be completed by end of junior year.

Majors and Minors.—Each student who is working for a degree must elect at the beginning of the junior year, under restrictions stated below, one major and two minors from the fourteen following departments:—

GROUP I.

1. Latin
2. Greek
3. German
4. Romance Languages
5. English

GROUP II.

1. Religious Education
2. Philosophy and Education
3. Social and Political Science
4. History

GROUP III.

1. Chemistry
2. Physics (including Applied Mechanics 2 for major)
3. Biology
4. Mathematics

Terms Defined.—A *major* consists of twenty credits obtained in one department.

A *minor* consists of twelve credits obtained in one department.

Restrictions on Choice.—

(1) For the B. A. degree, the major must be selected from Group I or Group II. For the B. S. degree, the major must be chosen from Group III.

(2) At least one of the minors must be in a different group from the major. The minors are subject to the approval of the student's adviser.

(3) The following courses are not counted toward a major or minor:—Bible 1 (first semester) and 2, Chemistry 1 and 10, English 1. French 1 and 2, German 1 and 2, Greek 1a, Latin A and B, Mathematics 1a and 9, Mental Science 1, Biology 1 and 2, Physics 1 and Social and Political Science 1 and 11 are not counted toward a major. In Physics students must present one year of high school work in the subject in order to begin a major or minor.

Theses.—On or before the opening of the second semester of his junior year, each candidate for a degree shall select the subject of a thesis connected with the subject which he is making his major. This subject must be chosen in consultation with the head of the department to which the student's major belongs and with his approval.

The completed thesis shall be typewritten and filed with the Librarian on or before the first of April preceding the student's graduation. Such thesis must be prepared according to regulations to be obtained from the Librarian, and must bear the signed approval of the head of the department. Further, these theses must be accompanied by a complete bibliography of works consulted and analysis. Ordinarily, they will not be accepted if they exceed 6,000 words in length.

Classification of Students

Classification without Conditions.—For freshman classification, as stated before, fifteen units of acceptable high school

work or their equivalent; for sophomore, thirty-two college credits in addition to the entrance requirements; for junior, sixty-four credits in addition to the entrance requirements; for senior, ninety-six credits in addition to the entrance requirements.

Classification with Conditions.—A student is classified as freshman with conditions who presents fewer than fifteen units or their equivalent of high school work and not fewer than thirteen and a half of such units; a student will be classed sophomore on removing all entrance requirements except one-half unit, and gaining twenty-four college credits; he will be ranked junior on removing all entrance requirements and obtaining fifty-four college credits; he will be ranked senior on obtaining ninety college credits.

All conditions from previous years must be removed by the end of the first semester of the senior year.

Changes of Course and Unfinished Courses

Change of Course.—Registration at the beginning of the semester fixes the course of study for the student. After that no change is permitted without the written consent of the instructors concerned and the student's adviser. Dropping a subject comes under this rule.

Unfinished Courses.—Students who drop a year course at the end of one semester lose all credit in that course unless some distinct phase of the subject is completed; in which case, the instructor may grant the credit.

Attending Courses as a Visitor.—Upon the approval of the adviser, a student shall be permitted to attend not to exceed four hours a week in classes for which he is not regularly registered. No credit is allowed for such attendance.

Respecting Courses Offered

Five Students Required for a Class.—The college does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar. Such classes may, however, be organized at the option of the instructor.

Courses of Study.—For detailed information respecting the courses of study offered see the heading, Departments, page 43, and following.

Preparation for Study of Professions

In general colleges do not offer the highly specialized and technical courses required in the professional schools. The object

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of a college is rather to lay a foundation for such study in a broad and thoro culture. At the same time the system of majors and minors and the elective system in use here permit the student to frame his college course with some reference to his future profession. The student on selecting his profession should, as soon as convenient, decide what school he will probably attend, then acquaint himself with its requirements for entrance, and shape his college course to meet those requirements. In general, however, the student will find the following courses helpful to him in his future professional study.

For the Study of Medicine.—Thoro courses in chemistry, physics and biology will be most helpful to the student and in most of the better medical schools are required.

For the Study of Law.—The courses in social and political science, English and argumentation, jurisprudence and history, especially constitutional history, are advised. Able students who find it necessary to economize in time will find it possible to gain a year by taking some courses in the evening classes of the Saint Paul Law School along with their college courses.

For the Christian Ministry and Missionary Teaching.—The department of religious education and the electives in Greek Testament, philosophy, ethics and history offer a course well adapted to those who have the gospel ministry in view. Those, too, who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

For Teaching.—Because of the large number of its graduates who become teachers, the college has made special provision for their needs. The student should remember that there is the content side of his preparation and the technical side. The former part of the preparation he will obtain by directing his college studies thru the majors, minors and elective studies to the subjects which he will teach, with their related topics. The latter he will find in the courses in sociology, psychology, logic, ethics, history of philosophy, history and principles of education. This preparation will then be supplemented by practice work to increase his insight into the principles of his profession and give him skill.

Attention of young men is invited in particular to the laboratory shop courses and manual training teachers' course which, in connection with the science courses, fit men for positions for which there is at present great demand.

Senior Electives in Professional Schools.—Students intending to study for some profession, who are obliged to shorten their course in preparation, may in the following manner save one year while still obtaining their degrees. After completing three years of the college course and being enrolled for the fourth year, they may take the first year of a professional course in any school approved by the faculty in place of the work of the senior year.

Conditions Required.—This will be permitted subject to the following conditions: first, the required studies of the college must be completed in every case; secondly, a certificate must be presented from the professional school, showing the successful completion of the work of the first year in that school.

Students Not Candidates for a Degree

Students not expecting a degree will be admitted to the college under the following conditions:—

(1) They must present the requisite entrance credits, fifteen units for unconditioned registration, at least thirteen and a half for conditioned registration.

(2) They will be restricted in their choice of courses to such as their previous studies furnish a preparation for.

(3) They are not excused from the operation of any of the regulations of the institution, which apply to the general student body.

These conditions being met, such students are classified according to the number of credits they have obtained, and are entitled to all the privileges of the college life.

Student Advisers

The Board of Trustees on recommendation of the Faculty has changed the advisory system because of the growing emphasis on the major work of the student.

For registration, advice and supervision all freshmen are referred to the following committee:—

Professors Clark, Hall, Halverson, Whitridge and Tiffany.

All sophomores are referred to the following committee:—

Professors Alexander, Anderson, Burgess, Menger and Kingery.

Thru the Junior and Senior years a student is advised by the head of the department in which he majors. The adviser assists the student in the arrangement of a course of study in harmony with his tastes or prospective vocation. The aim of this system of advisers is more intensive and consistent courses of study, vocational direction, timely warning to laggards and closer and more friendly cooperation.

Departments

Biology

PROFESSOR CORT AND MISS GOLDSWORTHY

The courses in biology are arranged to give that general cultural view of the subject which is important for a well rounded education and to make possible a degree of specialization for those looking forward to professional work along biological lines. A combination of courses 1 and 2 is recommended as a first year's work. Courses 1, 2, 3, 4 and 10 are adapted to the needs of the general student and a choice from them is recommended for the fulfillment of the science requirement or a minor in the department. The work in courses 7, 8, 12 and 20 is more specialized, but the cultural value of the subject is nowhere lost sight of.

A combination of courses 3 and 7 is recommended as a second year's work in biology for premedics.

As preparation for the teaching of biology in high schools the following courses are suggested: for botany, courses 1, 4 and 5; for physiology, course 3 followed by 7; for zoology, course 2 followed by 7 and 8. Course 20 fulfills the teachers' requirement of the state board in this department and should be taken by all prospective teachers of biology. Students majoring in biology should take courses in chemistry and physics. For preparation in medicine or graduate work in biology a reading knowledge of German and French is essential.

Course 9 is required of all men in the freshman class and does not count toward the science requirement, minor or major. Courses 1 and 2 do not count toward a major. Since courses 1 and 2 are open without restriction to freshmen, seniors taking either of them will receive two credits instead of three per course.

1. Plant Biology.—

A study of the principles of biology from the plant side. The main topics treated are: living matter and the cellular organization of plants; the general structure, physiology, and reproduction of representatives of the larger groups.

First semester, six hours a week, three credits.

2. Animal Biology.—

Biological principles as illustrated by animals. Representatives of the phyla of the animal kingdom are studied with reference to structure, function and relation to environment.

Second semester, six hours a week, three credits.

3. Human Biology.—

Lectures, recitations and demonstrations on the structure and functioning of the human body. Extensive use is made of anatomical charts and models. The laboratory work consists of a thoro dissection of a mammal and a study of the microscopical structure of some of the more important tissues.

Prerequisite, course 2. First semester, three hours recitation and four hours laboratory a week, four credits.

4. The Flowering Plants.—

Lectures and recitations on the structure, adaptations and classification of the higher plants; laboratory work on vascular tissues and flower structure and analysis. In the spring a study will be made in the field of the trees and flowers of the region. Emphasis is placed on adaptation to environment.

Prerequisite, course 1, not open to freshmen. Second semester, six hours a week, three credits.

5. Plant Physiology.—

A study of the physiology and ecology of plants. Experiments are carried on on photosynthesis, transpiration, evaporation, soil content, etc.

Prerequisite, courses 1 and 4. Second semester, six hours a week, three credits.

7. Vertebrate Anatomy.—

A study of the comparative structure of vertebrate animals. Dissections are made of representatives of the classes of the Vertebrata.

Prerequisite, courses 2 and 3. Second semester, eight hours a week, four credits.

8. Invertebrate Zoology.—

A study of the structure, taxonomy and classification of invertebrate animals. Types of the more important groups are studied in the field and laboratory.

Prerequisite, twelve hours of biology. One year, six hours a week, six credits. Given in 1916-1917 and alternate years.

9. Personal Hygiene.—

Lectures on the care of the body. Food, sleep, clothing, breathing, bathing and kindred subjects are discussed.

First semester, one hour a week, one credit. Required of all men of the freshman class.

10. History of Biology.—

A study of the lives and work of the more important men who have shaped biological thought. Lectures and assigned readings.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits. Given in 1915-1916 and alternate years.

12. Individual Course.—

Advanced students may, with the approval of the head of the department, take up lines of work not covered in the regular courses. Such work will consist of laboratory exercises and assigned readings. The emphasis will be placed on developing the power of independent work.

First or second semester or for the year, two to four credits.

20. Teachers' Course in Biology.—

Training in the theory and practice of the teaching of biology. Weekly conferences are held on the methods of teaching; opportunity is given for practice in laboratory instruction, grading of note and examination papers; questions connected with the planning of high school courses in biology, the preparing and buying of material, text-books, etc., are discussed. Open only to seniors who have had sixteen credits in biology.

One year, three hours a week, four credits.

Chemistry

PROFESSOR JONES AND PROFESSOR STARR

Courses 1 and 10 are not counted toward a major or minor.

1. General Inorganic Chemistry.—

The course includes a thoro study of the principal elements and their compounds, their occurrence in nature, preparation in the laboratory, etc.; also an introduction to the study of qualitative analysis.

One year, seven hours a week, eight credits. Six credits will be allowed seniors taking this course.

Students who have one unit of high school chemistry must take the lecture and classroom work of this course before they are eligible to take the courses following. Four credits will be allowed for this work. Students with very high standing in their high school chemistry will be allowed, upon passing an examination, to omit this course.

2. Advanced Inorganic Chemistry.—
This is a continuation of course 1, with an introduction to physical chemistry.
Prerequisite, course 1. One year, six hours a week, six credits.

3. Qualitative Analysis.—
Lecture and laboratory work, including the detection and separation of the metals and the identification of the acids. The last few weeks of the year are spent in the analysis of specimens of rock and earth. Instead of this, the student may make a study of materials used as paint pigments and the methods used in paint analysis.
Prerequisite, course 1. One year six or eight hours a week, six or eight credits; or second semester, twelve hours a week, six credits.

4. Quantitative Analysis.—
Lecture and laboratory work. This includes an introduction to the gravimetric and volumetric analysis and a study of the methods of determination of atomic weights.
Prerequisite, courses 1 and 3. One year, six or eight hours a week six or eight credits.

5. Organic Chemistry.—
A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils, explosives, etc., is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 6 is also taken.
Prerequisite, courses 1 and 2 or 1 and 3. One year, three hours a week, four credits.

6. Laboratory Course in Organic Chemistry.—
To be taken with or upon completion of course 5. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 5, when possible.
One year, six hours a week, four credits.

7. Advanced Organic Chemistry and Qualitative Organic Analysis.—
This course is a continuation of courses 5 and 6. The detection of common food adulterants will receive attention.
Prerequisite, courses 1, 2, 3, 5 and 6. One year, six hours a week, six credits.

8. Food Analysis.—
Milk and butter analyses receive special attention.
Prerequisite, courses 1, 3 and 4. One year, six hours a week, four, credits, or one semester, twelve hours a week, four credits.

9. Water Analysis.—

Prerequisite, courses 1, 3 and 4. One semester, six hours a week, three credits.

10. Teachers' Course.—

This course is designed for those who intend to teach chemistry. They are given practical work in the laboratories, instructing students beginning chemistry, preparing solutions, etc. A course of lectures is given on the teaching of chemistry.

Prerequisite, courses 1 and 3. One year, three or six hours a week, two or four credits. No fee is charged.

Education

PROFESSOR ANDERSON

1. History of Education to Modern Movements.—

The history is followed from the earliest times, thru the Greek, Roman and medieval periods, down to the middle of the eighteenth century. It is recommended that students take a course in European history along with this, if they have not already had such a course. This course and the following are of interest, not only to students purposing to teach, but to all students. These courses introduce us to the best educational thought of the world and have great cultural value.

Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

2. History of Education in the Modern Period.—

This course begins with Rousseau. It covers the psychological, sociological and scientific movements, showing how the present day ideals, tendencies and institutions have become what they are. A relatively full treatment is given to the history of education in the United States. The course concludes with a survey of the modern state systems of education, their organization, methods, curricula and results. Text-book, collateral readings and reports required.

Prerequisite, forty credits. Second semester, three hours a week, three credits.

3. Principles of Education.—

A course given in three parts:—

(1) The **Philosophy of Education:** an attempt to unify and correlate the results of the previous studies of the student;

to reach a positive and well-reasoned view of the true aims of education, in order that the student may go forward with a better insight into the meaning of educational institutions and practice and with safe criteria for judging of their value.

(2) **Organization and Administration:** an examination of the structure and workings of our schools. Following an introduction on the organization, administration and supervision of the schools, in general, the secondary school system is taken up for more thoro study. Here are included the rise and growth of high schools, their aims, kinds, organization, curricula, etc.

(3) The **Teacher and the Class.** The physical and mental nature of the pupil, in particular, of the secondary school pupil is studied, class management and discipline, the nature of true study and the development of habits of intelligent study, and, finally, the art of teaching.

This course is given by text-book, lectures, collateral readings and quizzes. Practice work in teaching is provided under the supervision of the regular teachers, Reports on visits and observations in the city schools are called for. A thesis is required with this course.

Prerequisite, Philosophy 1, unless the student is registered for it at the same time. Philosophy 2, also, is recommended. One year, three hours a week, six credits.

For further courses in Education, see the various departments of instruction in the college; and, further, all courses in the department of Mental Sciences and Philosophy.

The following courses are included in this department:—

Religious Education 8
Biology 20
Chemistry 10
English 11
German 11
Latin 7
Mathematics 7
Applied Mechanics 2
Physics 5

English

PROFESSORS JOHNSON, CLARK, WHITRIDGE and MISS TIFFANY

This department offers a major in English Literature and a minor in Expression or English Composition. Courses offered as English Composition may be counted toward a major in English Literature.

I. Composition and Public Speaking

PROFESSOR CLARK AND MISS TIFFANY

1. Composition.— PROFESSOR CLARK AND MISS TIFFANY

This course is required of all freshmen. Its purpose is to give the student practice in speaking and writing and to lay a foundation for future work in English. Descriptive and narrative writing are studied the first semester, and expository writing the second semester.

Students who are deficient in punctuation, spelling and sentence structure are required to make up these deficiencies in a separate course for which no college credit is given.

One year, three hours a week, six credits.

2. Short Story Writing.— PROFESSOR CLARK

This course is designed for those desiring further training in narrative writing. Representative short stories are read and analyzed. Each student is required to write several stories which are revised and rewritten until they satisfy the standards of the class.

Prerequisite, English 1. First semester, three hours a week, three credits.

3. Play Writing.— PROFESSOR CLARK

The aim of this course is to discover the dramatic values in life and the best methods of expressing them in literature. Representative plays are analyzed for technique in plot, character portrayal and dialog, and a model of each type is constructed in the class room. A one-act play is required of each student and opportunity will be given for producing more elaborate structures.

Prerequisite, English 1. Second semester, three hours a week, three credits. Alternate for course 6. Not offered 1916-1917.

4. Newspaper Writing.— PROFESSOR CLARK

This course offers an introduction to the field of journalism. Actual reporting and correspondence will be used as a basis for part of the composition and criticism. Sophomores desiring positions on the *Macalester Weekly* are urged to register for this course.

Prerequisite, English 1. First semester, two hours a week, two credits

5. Seminar in Advanced Composition.— PROFESSOR CLARK

Admittance to this course is by approval of the instructor. To be admitted a student must have shown unusual aptitude for

writing and must have completed one-third of the writing required for the course before he enters it. A student may pursue any form of writing which meets the approval of the instructor. A student desiring to be admitted to this course should, if possible, consult with the instructor during the spring or summer preceding enrollment in the course.

Prerequisite, English 1. One semester, one hour a week, one credit. Students taking advanced composition courses are advised to take also courses in English Literature.

6. **Expository Writing.**— PROFESSOR CLARK

This course is offered for those who desire further practice in writing and do not care to elect the more specialized courses. The object of the course is to develop in the student an accurate, effective prose style.

Prerequisite, English 1. First semester, two hours a week, two credits.

7. **The Essay** (Advanced Course).— PROFESSOR CLARK

The aim of this course is to assist the student to find his own particular viewpoint and his own philosophy of life, and to encourage him to express it in some form of writing. A few masterpieces of literature are studied as interpretations of life with especial attention to their message to the present age. Some writing from models and much original writing will be demanded of the students.

Prerequisite, course 1. Second semester, three hours a week, three credits. Alternate for course 3.

8. **Argumentation and Debate.**— PROFESSOR CLARK

A study and analysis of great debates by Calhoun, Webster, Lincoln and others. Abundance of practice is given in drawing up of briefs and in actual debating.

Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

9. **Extemporaneous Speaking.**— PROFESSOR CLARK

The object of this course is the development of a natural, direct and effective manner of speaking. Weekly extemporaneous speeches, thoroly outlined, are required of the class and also one long written address suitable for public presentation.

Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

10. **Seminar in Debating and Oratory.**— PROFESSOR CLARK

Open to those who represent the college in intercollegiate debates and in the state oratorical contest.

One semester, two hours a week, two credits.

Students interested in debate and oratory will find it helpful to take Mental Science 2 (Logic) and courses in Expression and Economics.

11. Teachers' Course.— PROFESSOR CLARK

This course is designed to prepare students to teach English in secondary schools. The work consists of lectures, reports and actual practice teaching.

First semester, two hours recitation, two hours practice work, three credits.

II. English Language and Literature

PROFESSOR JOHNSON

22. American Literature.— PROFESSOR JOHNSON

Lectures and critical reading of selected authors; themes on assigned reading.

Prerequisite, course 1. One year, three hours a week, six credits. Not offered 1916-1917.

23. Old English.— PROFESSOR JOHNSON

A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry; Beowulf.

Prerequisite, course 1. One year, three hours a week, six credits.

24. English Literature.— PROFESSOR JOHNSON

The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1600. Chaucer and Spenser are extensively read and discussed.

Prerequisite, course 1. One year, three hours a week, six credits. Not offered 1916-1917.

25. English Literature.—

Shakespeare and Milton.

One year, three hours a week, six credits.

26. The Drama in England.— PROFESSOR JOHNSON

Special attention will be given to the writings of the minor dramatists of the Elizabethan period. While the course deals chiefly with the English drama, attention will be given to other literatures.

Prerequisite, courses 1, 24 and 25. One year, three hours a week, six credits.

27. History of Literary Criticism.— PROFESSOR JOHNSON

A study of the principles governing literary composition.

Prerequisite, courses 1 and 24. First semester, three hours a week, three credits.

28. Browning and Tennyson.— PROFESSOR JOHNSON

A comparative study.

Prerequisite, courses 1, 24 and 27. Second semester, three hours a week, three credits.

29. The English Novel.— PROFESSOR JOHNSON

Its rise and development.

Prerequisite, courses 1 and 24. One year, three hours a week, six credits. Alternate for course 26. Not offered 1916-1917.

Any of the above courses may be elected by the semester.

III. Expression

ADJUNCT PROFESSOR WHITRIDGE

A. Elocution and Voice Training.—

1. Theory. The principles underlying the art of expression and literary interpretation.

2. Practice. Deep breathing. Correction of voice faults and mannerisms. Factors of expression. Analysis and interpretation of the classics. Reading and speaking.

One year, three hours a week, four credits.

B. Literary and Dramatic Interpretation.—

Pantomine. Adaptation of the short story and play for platform work. Story telling. Scenes and original presentations.

Prerequisite, course A. One year, two hours a week, four credits.

C. Shakespeare and Modern Drama.—

Analysis and presentation.

Prerequisite, courses A and B. One year, two hours a week, four credits.

Geology

PROFESSOR ALEXANDER

A general course in dynamic, structural and historical geology. In connection with and as a part of structural geology a short lecture course is given in mineralogy to familiarize the student with the elementary principles of the subject. Le Conte's Elements is made the basis of the year's work, and in addition to the lectures and laboratory work each student is required to do a certain amount of field work and to make an identified collection of the most important rocks and fossils of this locality. An elementary course in chemistry is required.

One year, three hours a week, six credits.

Greek

PROFESSOR HALL

Course 1a is not counted toward a major or minor.

1a. Grammar.—

A study of the elements of the language. Drill in form, vocabulary, syntax and composition. Readings from Xenophon's Anabasis.

One year, five hours a week, ten credits.

1. **Xenophon or Lucian.—**
The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war; or Lucian's Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age.
First semester, four hours a week, four credits.

2. **Homer or Herodotus.—**
The Iliad, Books I-IV in literary and grammatical study; or Herodotus, stories, and selections from Book VII, with a careful consideration of accidence and syntax, of the Ionic dialect.
Second semester, four hours a week, four credits.

3. **Athenian Orators.—**
Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure.
Prerequisite, course 2a. First semester, three hours a week, three credits.

4. **Plato.—**
The Apology and Crito. Socrates and his teachings, with readings from Xenophon's Memorabilia.
Prerequisite, course 2a. Second semester, three hours a week, three credits.

5. **The Drama.—**
Selected plays of Aeschylus or Euripides and Aristophanes. Rise and development of tragedy and comedy. The Greek theater and production of plays.
Prerequisite, courses 1, 2, 3 and 4. First semester, three hours a week, three credits.

6. **English Course in Greek Literature.—**
Studies in the elegiac, lyric and dramatic poets of Greece, for students having no knowledge of Greek.
Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

7. **The Odyssey.—**
Selections from Books I-XII. Sight reading. Literary study of the whole poem from the English translations of Palmer and of Butcher and Lang.
Prerequisite, courses 1, 2, 3 and 4. Second semester, three hours a week, three credits.

8. **Lyric Poetry.—**
Selections from the elegiac and lyric poets.
Prerequisite, courses 1, 2, 3 and 4. Second semester, two hours a week, two credits.

9. The Greek Testament.—

This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek. The aim is to master a good working vocabulary, the main characteristics of New Testament Greek and to get some practice in Greek exegesis.

Prerequisite, fifty-two credits. One year, two hours a week, four credits.

10. Classic Mythology.—

A study of the more important myths of Greece and Rome with special attention to their use in English literature.

Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

History

PROFESSOR FUNK AND MRS. HODGMAN

Students who major in this department ordinarily will be required to take courses 1, 2, 5 and 6. Courses 1, 5 and 6 are open to freshmen. If taken by juniors or seniors they will count for only two credits a semester. Students choosing history as a minor are recommended to pursue courses 5, 6, 4 and 9. Those majoring in this department will be expected to secure at least eighteen credits in related subjects, such as economics, sociology, political science, and the history of philosophy.

1. Early European History and the Middle Ages.— PROFESSOR FUNK

From 31 B. C. to 1300 A. D. A suitable text-book, sources, and documents form the basis of the work, supplemented by collateral reading, and topical reports.

One year, three hours a week, six credits.

2. English Political and Constitutional History.— PROFESSOR FUNK

This is a study of the political and constitutional development of England from the Norman Conquest until 1815. Collateral reading and a thesis are required.

One year, three hours a week, six credits.

3. The Renaissance and the Reformation.— PROFESSOR FUNK

This course covers the period from 1300 to 1648. The greater part of the first semester is devoted to the Renaissance and the remainder of the year is given to the Reformation. Topical reports and a thesis are required.

One year, three hours a week, six credits.

4. The French Revolution.—
In this course the causes bringing about the fall of the Bourbons, the revolution proper and the Napoleonic era are studied.
First semester, three hours a week, three credits.

5. American History.— PROFESSOR FUNK
From the adoption of the constitution to 1850.
First semester, three hours a week, three credits.

6. American History.— PROFESSOR FUNK
From 1850 to the present time.
Second semester, three hours a week, three credits.

7. American Colonial History.— PROFESSOR FUNK
Beginning with the earliest settlements in the colonies this course aims to trace the development of those institutions and forces which led to American independence. It also includes a study of the making of the constitution and its adoption.
First semester, three hours a week, three credits. Not offered 1916-1917.

8. The Westward Movement.— PROFESSOR FUNK
This is a study of the westward extension of the United States and of the economic and political development resulting from this expansion.
Prerequisite, course 7, or courses 5 and 6. One year, three hours a week, six credits. Not offered 1915-1916.

9. Modern European History.— PROFESSOR FUNK
From 1815 to the present time. Special attention is devoted to the establishment of constitutional governments and the industrial evolution of this period.
Second semester, three hours a week, three credits.

10. History of Rome.—
A systematic study of the social and political development of the Roman nation and the causes of its downfall. Course will consist of text-book work, collateral reading and lectures. Recommended to those intending to teach Latin and History.
One year, three hours a week, six credits. Not offered 1916-1917.

11. History of Greece.—
A study of the political and social development of the Greek states to the time of their incorporation into the Roman Empire. Special attention will be given to the permanent influence of Greek civilization. Text-book work, reading, lectures.
One year, three hours a week, six credits. Not offered 1916-1917.

12. History of Fine Arts.— MRS. HODGMAN

A study of the development of architecture, sculpture and painting thru the various periods of ancient, medieval and modern art. An effort is made to familiarize the student with the great masterpieces by means of photographs, stereopticon lectures and visits to the art galleries in St. Paul and Minneapolis.

One year, one hour a week, two credits.

13. History of American Diplomacy.— PROFESSOR FUNK

One semester, three hours a week, three credits.

Home Making

ADJUNCT PROFESSOR WHITRIDGE

3. The House.—

(a) Evolution of the modern home from primitive conditions. Its object. Selection of site with regard to climate, soil, drainage and neighborhood. Location of house with regard to exposure, light and prevailing winds. Study of house plans to meet the requirements, comfort and convenience of the family for which the house is intended. Drawing of specific plans.

(b) Household Art.—

Furnishing the house from the standpoint of good taste and economy. Value of form, color, design and materials in interior decorations. Wallpapers, carpets and curtains. History of furniture. Household management.

One year, two hours a week, four credits.

4. Social Culture.—

The hospitality of the home. The forms and customs known and observed in community life.

Second semester, two hours a week, one credit.

Latin

ASSOCIATE PROFESSOR BURGESS

Courses A, B and C are not counted toward a major or minor.

A. Beginning Latin and Nepos.—

Two-thirds of the year are devoted to the study of declensions and conjugations, syntax and vocabulary, translation to and from the Latin, and to conversation. The last third of the year is devoted to Nepos' Lives.

One year, five hours a week, ten credits.

B. Caesar and Cicero.—

Caesar's Commentaries will be studied for the first semester, with prose composition. Cicero's Orations, the second semester.

One year, four hours a week, eight credits.

C. Cicero, Virgil, Ovid.—

Cicero's Orations and Virgil's Aeneid, first semester. Virgil and Ovid, second semester.

One year, four hours a week, eight credits.

1. Cicero, Livy, Pliny.

Cicero, De Senectute; Livy, selections from books I, XXI and XXII; Pliny's Letters. In this course the aim is to fix the student's knowledge of grammatical forms and syntax, and, by constant drill and prose composition, to familiarize him thoroly with fundamental principles and enlarge his vocabulary.

Prerequisite, four years' work in Latin. One year, four hours a week, eight credits.

2. Horace, Tacitus, Juvenal.—

(a) First semester:—Horace, Odes, Epodes, Satires and Epistles. A thoro knowledge of forms and syntax is presupposed. Much time is spent on literary content and style. A thoro study is made of the life of Horace, his literary art and prosody. Thruout the course are noted the conditions in the Roman literary world and the various phases of life and politics under the Early Empire.

(b) Second semester:—Germania and Agricola of Tacitus or some other prose work, illustrative of the language, character of thought, social and political conditions of the Silver Age. Juvenal's Satires; private life of the Romans.

Prerequisite, course 1. One year, three hours a week, six credits.

3. The Latin Drama.—

Plautus, Terence, The Senecan Tragedies. A study of representative plays with lectures and topical work on the sources and treatment of material, social conditions, the theater, actors and spectators.

First semester, three hours a week, three credits.

4. Roman Philosophy.—

(a) Lucretius and Epicurean philosophy. This course consists of the reading and interpretation of the text of Lucretius with a study of his philosophy and its sources. (b) Cicero.—

The New Academy. (c) Seneca.—Stoicism. A study of the dialogs of Seneca and a survey of Stoicism in Rome.

One year, three hours a week, six credits.

5. **Letters of Cicero.—**
A course for those intending to teach Latin. In addition to the translation of selections from the Letters, collateral work will be assigned to familiarize the student with the life of Cicero, social and political conditions under the Republic.

One semester, two hours a week, two credits.

6. **Grammar and Composition.—**
A course in advanced composition and a study of prose style and of grammatical rules and principles.

One semester, two hours a week, two credits.

7. **Teachers' Course.—**
This course is designed to prepare students to teach the Latin of secondary schools. A study is made of the cultural and educational value of Latin; its relation to the English language and literature and the Romance languages; its use in the terminology of the sciences, the law and other professions; Roman civilization as a basis for our own; mental training. Based on Sabin's Relation of Latin to Practical Life and Kelsey's Latin and Greek in American Education. A study of grammar, Nepos' Lives, Caesar, Cicero, Virgil and Ovid from the standpoint of the high school teacher. The place of each in the curriculum.

One year, three hours a week, six credits.

8. **Roman Elegiac Poetry.—**
Selections from Catullus, Tibullus, Propertius and Ovid with a study of the rise, development and characteristics of Roman elegiac poetry.

One semester, three hours a week, three credits.

9. **Roman Law.—**
This course consists of translation of the text of the Institutes of Justinian and a study of Morey's Outlines.

One semester, two hours a week, two credits. Prerequisite for courses 3 to 9, courses 1 and 2, or course 1 completed with a grade of A.

10. **Roman Archaeology.—**
This course designs to familiarize the students with the city of Rome and to enable them to feel that if placed in the audience of Cicero before the Rostra, they would be familiar with their

surroundings and could find their way about the Capital of the World. To bridge the gap between modern Rome and the ancient city, a study is made of the ruins remaining, bridges, roads, walls, fora, temples, theaters, amphitheaters, circuses, thermae, arches, tombs, sculpture. A study of the Campagna and Roman building materials. No knowledge of Latin is required.

Prerequisite, a course in Roman history. First semester, two hours a week, two credits.

Mathematics and Astronomy

PROFESSOR KINGERY

Courses 1a and 9 are not counted toward a major or minor.

1a. Solid Geometry, Algebra and Trigonometry.—
This course is for those who present only two units in high school mathematics.

One year, three hours a week, six credits.

1. College Algebra.—
Graphic representation of functions, ratio and proportion, variation, theory of quadratics, progressions, series, etc.

First semester, four hours a week, four credits.

2. Trigonometry and Analytic Geometry.—
Definitions of trigonometric functions, development of formulae and their application to the solution of problems, plane and spherical. This is followed by a brief course in analytic geometry, sufficient for elementary courses in physics and astronomy.

Second semester, four hours a week, four credits.

3. Analytic Geometry.—
This is a continuation of course 2. Equations of straight lines and the principal curves and their tangents are discussed by both rectilinear and polar co-ordinates.

Prerequisite, course 2. First semester, three hours a week, three credits.

4. Differential and Integral Calculus.—
A brief study of the principles of differential calculus based on theory of limits, followed by a short course in integral calculus.

Prerequisite, course 3. Second semester, three hours a week, three credits.

5. Advanced Calculus.—
Continuation of course 4.

One year, three hours a week, six credits.

6. Surveying.—
Prerequisite, course 2, Second semester, three hours a week, three credits.

7. Advanced Algebra and Geometry.—
Intended especially for those preparing to teach.
Prerequisite, course 1. One year, three hours a week, six credits.

8. Astronomy.—
Text-book, lectures and practical work with sextant, transit and clock.
Prerequisite, course 2. One year, five hours a week, six credits. Not offered 1916-1917.

9. Mechanical Drawing.—
A course designed for those taking shop work or preparing for technical schools.
One year, four hours a week, two credits.

The Mental Sciences and Philosophy

PROFESSOR ANDERSON

1. Psychology.—
An introductory course covering the main features of normal human psychology:

(1) A brief introduction in experimental work, intended to accustom the student to introspective study and to give him an insight into the methods of modern psychological investigation.

(2) A survey of the more prominent aspects of the conscious life. This part opens with a synopsis of the nervous mechanism and is followed by a consideration of the sensations, perceptions, affections, memories, judgments, etc. The work is carried on by means of text-books, collateral readings, lectures, observations by the student, and experiment. Required in all courses.
Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

1a. Advanced Psychology.—
A course designed to study more exhaustively certain problems suggested in course 1, in the domain of comparative, social and educational psychology. The psychology of animals, of races and of society are taken up; then the mental life of childhood and adolescence; and, finally, the bearing of the science upon education, business and professional life is studied.
Prerequisite, course 1. One year, three hours a week, six credits.

2. Logic and Scientific Method.—

This is a study of the instruments of thought and investigation and of the methods and tests of proof. Aside from the culture aspect of the study, it is of interest to the student of science, as elucidating the procedure of science; it is of interest to the student of oratory and literature, as forming the basis of all plans and methods of procedure in exposition and argumentation; it is of value to the teacher, since it furnishes the analysis of teaching methods from the content side, just as psychology does from the conscious side. In order to make this discipline as valuable as possible, logical definition and division receive attention, and their relation to literary work is shown. Much attention is given to fallacies and the analysis of fallacious reasoning. The use of hypothesis, analogy and probability, and the methods of scientific experiment and verification are explained and illustrated. Thruout extensive use is made of practical exercises in order to fix principles and develop ability to use them.

Prerequisite, twenty-four credits. One year, two hours a week, one of which is used as a laboratory hour; three credits.

3. Ethics.—

This course begins with an historical sketch of ethical theories and of the conceptions of life that have been held. Next, the psychological facts and the philosophy of ethics are investigated in order to gain an adequate basis for ethical theory. Finally, the problems of practical ethics are taken, particular consideration being given to certain of them, which are now occupying the thoughts of men. The attempt is made in this course to develop a system of thought that does justice to Christian motive and doctrine and is, at the same time, based upon a proper scientific and philosophical basis. Required in all courses:

Prerequisite, course 1. Second semester, three hours a week, three credits.

Philosophy seeks a consistent view of the world and of life; it seeks the meaning to life and reality. It is cultural in character; it would correct the one-sidedness of the mere specialist and correlate the results of general study. The four courses in philosophy which follow are arranged in two pairs offered in alternate years. The student may begin with either pair.

4. History of Philosophy, Ancient and Medieval.—
Beginning with the early Greeks, this course follows the course of philosophic thought down to the period of Bruno, with the purpose of noting the development and relationships of the chief philosophical concepts. Attention is concentrated upon the leading thinkers and on the movement of thought. Collateral readings in Plato and Aristotle are required.

Prerequisite, fifty-four credits, unless by the approval of the instructor. First semester, three hours, three credits.

4a. History of Philosophy, Modern.—
Continuing the preceding: from Bruno to the present time. Constant use of Rand's classical Modern Philosophers is made for collateral reading.

Prerequisite, seventy credits, unless by the approval of the instructor. Second semester, three hours, three credits.

5. Modern Philosophy.—
(a) Introduction to Philosophy. The purpose is to bring before the student the chief problems of philosophy, to exhibit in outline the courses of argument by which various views are supported, and to formulate some positive views respecting the problems of the world that confront us.
(b) The latter part of the semester will be given to the study of some modern thought movement. Next year it will consist of a study of Pragmatism, as formulated by James and others.

Prerequisite, sixty credits, unless with the approval of the instructor. First semester, three hours, three credits. Not offered 1916-1917.

5a. Modern Philosophy (continued).—
The course here offered will take up one or more of the most important modern systems of thought. It will be both expository and critical. Next year the work offered will be in the philosophies of Eucken and Bergson. The course will require collateral readings and comparative studies in other philosophers.

Prerequisite, course 5. Second semester, three hours a week, three credits. Not offered 1916-1917.

6. Advanced Logic and Scientific Method.—
A course covering the same general ground as course 2, but much more thoroly. It consists of two parts:—

(1) Formal logic, with a closer study of logical theory and concepts, modal propositions, etc. With it will be given a brief course of lectures on genetic logic.

(2) Scientific method. A more complete study of the methods of science, including statistics, probability, etc. As a part of this course will be included a brief course of lectures on the history of science.

Collateral readings are required on the methods and aims of science as stated by distinguished men of science themselves.

Prerequisite, course 2. One year, two hours a week, four credits.

Modern Languages

PROFESSOR MENGER, MR. HALVERSON, ————.

German

PROFESSOR MENGER

1-2. Elementary German.—

Essentials of grammar, reading, conversation.

One year, five hours a week, ten credits.

3. Intermediate German.—

Reading of prose and the easier dramas of Schiller and Lessing. Review of grammar; composition, conversation.

Prerequisite, courses 1-2 or two years of high school German. One year, four hours a week, eight credits.

4. Modern Prose and Drama; Lyrics.—

General reading course.

Prerequisite, courses 1-2 and 3 or three years of high school German. One year, three hours, six credits.

5.* Nibelungen Lied.—

Reading of selections from the epic in a modern German translation. Lectures on the interpretation of its mythology.

One semester, three hours a week, three credits.

6. Survey of German Literature.—

Readings and reports.

One semester, three hours a week, three credits.

7. Lessing.—

A brief study of his life and works.

One semester, three hours a week, three credits.

8. Schiller.—

A brief study of his life and works.

One semester, three hours a week, three credits.

9. Goethe.—

A brief study of his life and works.

One semester, three hours a week, three credits.

10. Goethe's Faust, first part.—

Prerequisite, course 9. One semester, three hours a week, three credits.

11. Teachers' Course.—

Advanced syntax and composition; conversation. In the second semester one hour out of the three will be devoted to methods of teaching, text books, etc. Required of those who desire to teach German; with others, optional.

One year, three hours a week, six credits. Senior year preferred.

*Courses 5-11 are electives. Consult instructor in charge before electing. Courses 5-10, semester courses, will be announced whenever offered.

Students majoring in German and intending to teach the language should elect German thruout the four years.

French

MR. HALVERSON

1-2. Elementary French.—

Essentials of grammar, composition, conversation, reading.

Four hours a week, eight credits.

3. French Readings.—

Reading, composition, conversation.

Prerequisite, course 1-2 or two years of high school French. Three hours a week, six credits.

4. Survey of French Literature.—

This course, beginning with the Song of Roland, takes a representative work from each important period of French literature to the present day. Lectures, outside readings and reports.

Prerequisite, course 3 or an equivalent. Given in alternate years. Three hours a week, six credits.

5. French Novel.—

Lectures, outside readings and reports.

Prerequisite, course 3 or an equivalent. Three hours a week, six credits.

6. French Drama.—

Lectures, outside readings and reports.

Prerequisite, course 4 or an equivalent. Two hours a week, four credits.

7. Teachers' Course.—

French phonetics, advanced syntax, conversation and methods of teaching. Required of those who desire to teach French.

Two hours a week, four credits.

In the junior and senior years the work should be continuous.

Spanish

MR. HALVERSON

1. Elementary Spanish.—

Grammar, composition, conversation, reading.

Three hours a week, six credits.

2. Spanish Readings.—

Prerequisite, course 1 or an equivalent. Three hours a week, six credits.

Two years of Spanish are advised. Credit in Spanish may be applied on a major in Romance languages.

Physics

PROFESSOR ALEXANDER

Course 1 is not counted toward a major.

1. Short Course.—

This is a short course which covers the entire subject in one year. Demonstrations in connection with the lectures are substituted for a considerable amount of the individual laboratory work that is done by the student in the long course, and some of the more technical features of the subject that are not of general importance are omitted. The aim is to offer a thoro year's work in the general principles of physics to those who are taking courses which will not permit them to take the regular long course in the subject. It is recommended only to those who are taking classical or literary courses, or a two-year course in preparation for some school of medicine.

Prerequisite, Mathematics, course 2. One year, six hours a week, eight credits.

2. Mechanics, Sound, Heat.—

This course includes a thoro study of mechanics, sound and heat. A large part of the time is spent in laboratory work and the student's conceptions of physical laws are developed as largely as possible from observation and experiment. About forty quantitative experiments are performed by each student in the laboratory, the aim being to afford a working knowledge of modern measuring instruments of precision and to develop quantitative methods, as well as to discover and verify the laws of nature. Careful attention is given to the problem of

the errors in measurement, the student being required in each case to consider the origin of the errors and methods for their elimination and to compute the probable errors of observations and results.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits. Not offered 1916-1917.

3. Electricity and Light.—

This course includes a thoro study of electricity and light. Forty experiments are performed, thirty-five of which are in electricity, giving the student an opportunity to familiarize himself with electrical measuring instruments. The work in light includes measurements with the photometer, spectrometer and interferometer.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits.

Courses 2 and 3 together constitute what is termed the long course in physics and are designed especially to meet the needs of students taking a scientific course. These two courses together with applied mechanics 2 afford excellent preparation for teaching physics in secondary schools.

4. Advanced Physics.—

In this course a thoro study is made of some topic approved by the head of the department. The work is largely individual and experimental. The aim is to deepen rather than to broaden the student's knowledge of the subject and to cultivate a taste for research. Those who major in physics are required to take this course as a basis for their theses.

Prerequisite, course 2 or 3. First semester, four hours a week, two credits.

5. Laboratory Technic.—

In this course a study is made of the design, construction, operation and repair of the more elementary laboratory apparatus and of the use and manipulation of laboratory materials. The aim is to afford those students who are preparing to teach physics a practical working knowledge of the physical laboratory.

Prerequisite, course 1, 2 or 3. Second semester, four hours a week, two credits.

Applied Mechanics

PROFESSOR ALEXANDER

The Department of Education of the State of Minnesota has approved the courses offered at Macalester in the department of applied mechanics, and has certified that students who have completed the work in that department are eligible to teach in the high schools of the state.

1. Elementary Applied Mechanics.—

This is essentially a general culture course in the applied mechanical principles. The work covers a study of the principles involved in modern methods of wood-working and the use and adjustment of wood-working tools; a study of the principles involved in working the various metals and of metal-working tools. The work in metals includes soldering, brazing, forging and the casting of brass and aluminum. For the latter work simple patterns are made in the pattern shop which, with the setting and pouring, introduces the student to the general principles underlying foundry work. The development and transmission of power, including steam and gas engines, water power, dynamos and motors is given considerable attention. The study of the mechanical principles is illustrated by practical exercises involving their application to modern methods. The object is to lead the student to an appreciation of the modern mechanical world, its methods and processes.

One year, five hours a week, six credits.

2. Manual Training, Teachers' Course.—

This course is designed for students who are preparing to teach manual training. It includes a short study of the history and development of the manual training idea in education; the development of a progressive set of exercises each one of which must be executed and submitted for criticism accompanied by a paper explaining the object of the exercise, the connection with preceding exercises and the points that will appeal to the pupils' interest and stimulate creative thought; visits to manual training and other shops in the Twin Cities.

Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits.

Religious Education

Bible Training

On the John C. Martin Foundation

PROFESSORS WALLACE, MCRAE AND ANDERSON

The great importance of moral and religious training finds, in all our colleges, increasing recognition. Intellectualism alone has proved utterly inadequate for the individual, society and the nation. Knowledge and efficiency can not safely be made the ultimate aim of education. A much more vital and important consideration is, what are the ends which knowledge and efficiency must be made to serve.

In any complete system of education the spiritual nature of man and his chief end in life must be amply recognized. The best known means for the cultivation of this nature and for the discovery of this chief end is found in Christianity, in the central figure of all history—Jesus Christ.

Every educated man and woman should have, must have, a true philosophy of life and we believe that such philosophy is found in the Christian view of God and of the word as presented in the Holy Scriptures.

For the above reasons Macalester has made large provision for the religious training of her students.

Besides its required courses for all students this department offers elective and advanced courses for students wishing to prepare themselves for other forms of Christian service besides the gospel ministry.

The church, as well as the world, has entered on the era of the laity. Christianity is girding itself for the conquest of the world. Her call for leaders and workers of all sorts is louder and more engaging than ever before. The world is white unto the harvest and the reapers include not only preachers and evangelists but missionary teachers, missionary physicians, settlement workers, pastors' assistants, secretaries of Young Men's and Young Women's Christian Associations, trained Sunday school organizers, and lay workers generally.

To students training for any of these vocations the college offers special advantages. Open to them is instruction in many subjects essential to thoro preparation for any of the above

forms of Christian activity, such as languages, science, literature, philosophy, history, ethics, sociology, elocution, music.

Courses 1, first semester, and 2 are not counted toward a major or minor.

1. The Life of Christ.— PROFESSOR WALLACE

This is studied by means of a harmony of the gospels. By way of introduction, attention is directed to the political and religious condition of the time and to the characteristics and viewpoint of the gospel writers. By discriminating discussion of the teachings of Christ and a realistic presentation of the facts and incidents of His life an effort is made to deepen personal faith in Christ as the Savior of men and to bring the student into appreciation of Jesus as the master teacher of all time.

Required of freshmen, first semester, two hours a week, two credits; elective, second semester, two hours a week, two credits.

Students who are already fairly familiar with the gospels or who for any reason prefer to do so, may, in lieu of the above, take Old Testament History. See 9.

2. The Missionary Labors of the Apostles.— PROFESSOR WALLACE

These studies are based on the Acts of the Apostles and in part on the New Testament Epistles. The external and internal growth of the early church is carefully traced and the whole movement is viewed as a continuance of the work of Christ thru the agency of the Holy Spirit and of His inspired apostles. The authorship and credibility of the Acts, its teaching concerning Jesus, the Holy Spirit, and the organization of the early church receive special attention.

Required of sophomores, one year, one hour a week, two credits.

3. Prophets of Israel.— PROFESSOR MCRAE

This course consists of a thoro study of the prophets, their place in the community, their functions and their messages. It is pursued inductively from the Bible text with the object of acquainting the student as fully as possible with the foreshadowings of the Christ. All the Messianic passages are carefully analyzed with reference to their historical background and in the order of their development.

One year, two hours a week, four credits.

4. **The Literary Study of the Bible.**— PROFESSOR WALLACE
This course includes a careful study of the Bible, viewed as literature. The rhetorical characteristics of the Hebrew language and the various literary forms of the Bible are closely examined. This done, various parts of the Bible best illustrating these forms and characteristics are critically studied and drawn out in their proper literary form. As sound literary criticism is based on a thoro study of the thought and thought-connections, the literary study of the Bible proves in practice a very valuable aid to interpretation. It is for this reason, especially, that it is included in the course. The text book used as a basis is Moulton's Literary Study of the Bible, and special study is made of the book of Job, certain of the Psalms and selections from the prophets.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

5. **The Social Teachings of the Bible.**— PROFESSOR MCRAE
This course includes a survey of the social teachings of Christ, the apostles, the prophets and the Mosaic code. The object is to form a just estimate of the social message of the Bible and to apply, as far as may be, its social principles to the solution of current social problems. It is based mainly on Josiah Strong's Studies in Social Christianity, supplemented by wide collateral reading in the works of Raushenbush, Peabody, Mathews, Schenck, Brace, Keble (collection of lectures) and other works that seek to interpret and apply the social message of Christianity.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

6. **Inter-Testament History.**— PROFESSOR WALLACE
This course is intended (1) to trace the history of the Jews from Malachi to John the Baptist under the Persians, Greeks, Maccabees and Romans; (2) to trace the rise of the various Jewish sects. A knowledge of the outward political fortunes of the Jews, as well as the movement of Jewish thought in this period is of great importance for an intelligent understanding of the ministry of Christ and His apostles.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits.

7. **Oriental History contemporary with the Old Testament.**— PROFESSOR WALLACE
This course includes (1) a study of the history and religion of Babylonia, Assyria and Egypt; (2) the relation of this

material to the explication of Old Testament history. The course is based on the histories of Winckler, Rogers, McCurdy and others.

Prerequisite, courses 1 and 2. Second semester of alternate years, two hours a week, two credits.

8. **Biblical Pedagogy and Sunday School Work.**— PROFESSOR WALLACE

This course includes: (1) a study of Jesus as a teacher—a careful consideration of the question, What made Him the Master Teacher of all time?—His mastery of the technique of educational methods as illustrated in the four Gospels; (2) methods of Bible study, teaching and of Sunday school work; (3) the influence of Christianity on the world's education. It is based mainly on the Master and His method (Griffith-Jones), Jesus as a Teacher (Hinsdale), The Making of the Teacher (Brumbaugh), Teacher Training with the Master Teacher (Beardslie), supplemented by lectures.

Second semester, two hours a week, two credits.

9. **Review of Old Testament History.**— PROFESSOR WALLACE

This is offered in lieu of course 1 to college students who have had little or no opportunity of pursuing a consecutive study of Old Testament history before entering college. The history of Israel is pursued from the founding of the kingdom under Samuel till the fall of Jerusalem.

One year, two hours a week, four credits.

10. **Apologetics.**— PROFESSOR MCRAE

This course aims chiefly at three things.

First, a brief exposition of Christian theism and an exhibition of its superiority in philosophy and in practice to the various opposing theories: deism, pantheism, materialism and agnosticism.

Second, a summary of the argument for historical Christianity and an examination of criticisms and objections, especially those of our own day.

Third, a rapid survey of the field of comparative religions with special reference to Hinduism, Buddhism, Zoroastrianism and Confucianism.

First semester, three hours a week, three credits.

11. **The Philosophy of Religion.**— PROFESSOR MCRAE

This course is supplementary to the course in apologetics. It aims to exhibit and defend a philosophic conception in harmony with the Christian religion.

Prerequisite, course 12. Second semester, three hours a week, three credits.

12. International Lessons.— PROFESSOR WALLACE
A course in the International Sunday School lessons. The aim of this course is to study the setting of the lesson, make careful analysis of the materials and discuss the pedagogical teaching of the lesson.

One year, one hour a week, two credits.

13. The History of Missions.— PROFESSOR MCRAE
The object of this course is to study the progress of missions from the apostolic age to the present time, and its relation to the advancement of civilization. Extensive use is made of our foreign missionary library and current missionary literature.

One year, one hour a week, two credits.

Other courses for which credit is given in the Bible Training Department are:—
Greek 9, Greek Testament.
Mental Science and Philosophy 3, Ethics 4a.
History 3, The Reformation Period.

Hebrew. If there is sufficient demand for it, instruction will be given in the elements of Hebrew.

Social and Political Science

PROFESSOR DAVIS AND MISS CRIST

The aim of this department is to acquaint the student as far as possible with the whole field of social life and activity.

All the courses may be counted toward a major or minor except 1 and 11, which can only be counted toward a minor. Only three credits will be allowed for courses 1 and 11 if taken in the senior year.

A. Sociology

1. General Principles.—
Under this head are included the history, various theories and principles of the science. Important aims are to show the extent of the field, to arouse an interest in the study, and to correct methods of sociological investigation. "Outlines of Sociology" by Blackmar and Gillin will be used as a text book, but other systems will be presented and discussed.

Prerequisite, twenty-four credits. First semester, four hours a week, four credits.

2. Modern Social Problems.—

A study of the family, growth of population, the modern city, crime, poverty, etc.

Prerequisite, course 1. First semester, three hours a week, three credits.

3. History of Socialism.—

This course will include, (1) the social views of the ancient nations; (2) the ideal republics from Plato down to the present; (3) modern socialistic schemes.

Prerequisite, course 1. Second semester, three hours a week, three credits.

B. Economics

11. General Principles.—

A general survey is taken of the history, theories and generally accepted principles of the science. The latest edition of "Outlines of Economics," by Ely, will be used, supplemented by collateral studies in Adam Smith, Mill, Ricardo, Taussig, etc.

Prerequisite, twenty-four credits. Second semester, four hours a week, four credits.

12. History of Economic Theory.—

This course will trace the development of economic thought in the principal nations of Europe and America, especially in relation to philosophy and conditions of environment. The histories of Haney, Ingram and Gide will be used for reference.

Prerequisite, course 11. First semester, three hours a week, three credits.

13. Financial History of the United States.—

An historical study of public revenues and expenditures, of public debts and of currency and banking in the United States. Special attention is paid to government reports.

Prerequisite, course 11. Second semester, three hours a week, three credits.

14. Business Organization.—

A study of the evolution and nature of business organization, particularly in the United Stated, and of proposed solutions for the corporation and trust problems.

Prerequisite, course 11. First semester, three hours a week, three credits. Not offered 1916-1917.

15. The Credit System.—

A study of the present forms of credit and their social and economic significance.

Prerequisite, course 11. First semester, three hours a week, three credits.

16. Elements of Bookkeeping and Accounting.— Miss Crist

One semester, five hours a week, three credits.

C. Political Science

31. Elements of Political Science.—

The aim is to trace clearly the great and distinctive features in the governments of Europe and of the United States. Professor Gettell's "Introduction to Political Science" will be used as a basis of study.

Prerequisite, course 1. Second semester, three hours a week, three credits.

D. Legal Science

41. Roman Law.—

Morey's "Outlines of Roman Law" is used. The object is to acquaint the student with (1) the origin and development of Roman law; (2) its relation to modern systems of State Law.

Prerequisite, course 1. First semester, three hours a week, three credits.

42. International Law.—

A brief course in the outlines of this important subject, offered to meet the increasing interest in international questions.

Prerequisite, course 1. Second semester, three hours a week, three credits.

43. Elements of Jurisprudence.—

Holland's "Jurisprudence" is used. The general subjects considered are Laws and Rights, Private, Public and Adjective Law, the object being to acquaint the student with the principles of fundamental law in their historical development and their practical application to the several phases of social life.

Prerequisite, course 41. Second semester, three hours a week, three credits. Not offered 1916-1917.

Physical Training for Women

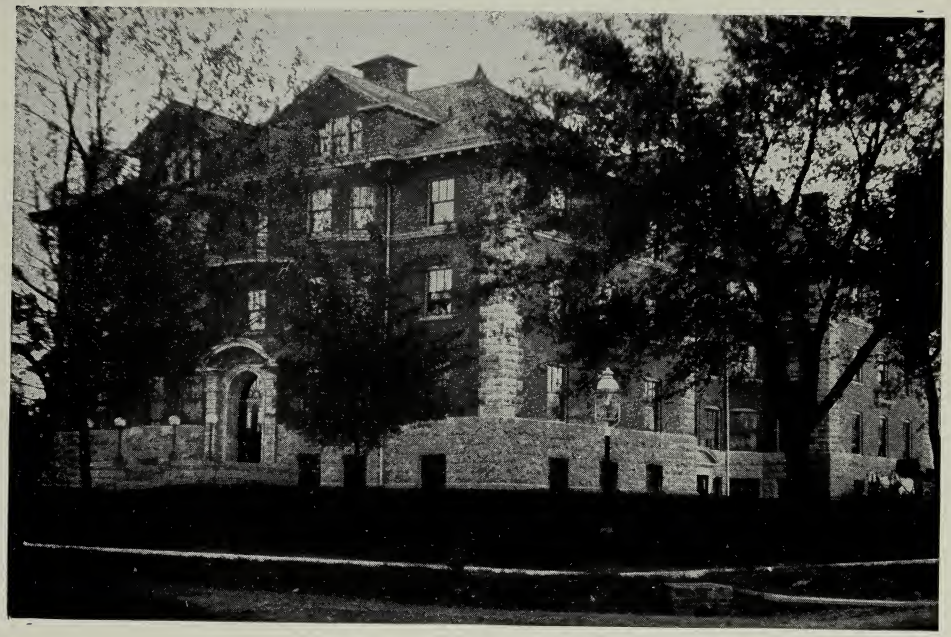
Theory.—

Personal Hygiene.—Short talks on the functions of the skin, the physiologic effects of water, hot and cold; bathing; care of the face; care of the hair, the hands, the feet; care of the mouth and teeth and their relation to good digestion; overeating and intestinal indigestion; fresh air; ventilation of bed rooms; care of the ears, throat and nose; deep breathing; the foot and the shoe; dress.

Practice.—Gymnastics:

1. Corrective exercises.—Walking, standing and sitting. Elementary work in stall bars, Indian clubs, bar bells, and bounding balls.
2. Parallel bars, ladder and incline rope.
3. Folk dancing.

Required, freshmen, one year, two hours a week, one credit.



WALLACE HALL, WOMEN'S DORMITORY

Macalester College
Conservatory of Music

N. W. Phone, Midway 2656
Wallace Hall, Summit and Macalester Avenues

HARRY PHILLIPS
Director of Conservatory

MABEL R. REED
Secretary

HARRY PHILLIPS, Director*
Voice Culture.
GEORGE HERBERT FAIRCLOUGH,*
Piano, Organ, Theory.
HEINRICH HOEVEL,*
Violin, Viola.
HELEN E. BRIGGS,*
Piano, Normal
A. PEPINSKY,*
Violin, Ensemble.
ANNA D. McCLOUD*
Voice
EMILY GRACE KAY,*
Piano, Harmony.
BESSIE A. GODKIN,†
Piano.
LOUIS JACOBI,†
Assistant in Violin.
MYRTLE WEED,†
Piano.
CHARLOTTE BURLINGTON,†
Assistant in Piano.
MABEL R. REED,†
Assistant in Piano.
N. BRIGLIA,*
Flute.
LEONARDO DE LORENZO,*
Flute.
J. GRANT DENT,†
Cello.
JENNIE STANLEY HODGMAN,*
History of Fine Arts.
EMMA GREENE,†
Guitar, Banjo, Mandolin.
WALTER LIENKE,†
Cornet.

Leading instructors for all other instruments.
*American and European education.
†American education.

Conservatory of Music

This school was established to offer a thoro course in music in connection with the college work. The aim was to develop an institution according to collegiate and university standards, employing the best modern methods. The result has been very gratifying. The conservatory has passed by gradual growth to an established institution. Its graduates and former students are filling places of honor and success, many of them in professional life, while those who are occupied in business or social life are giving pleasure to those around them, by their musical attainments.

During the summer of 1913, the St. Paul College of Music was purchased and merged with the conservatory. The increasing enrollment of students indicates the appreciation of its standards, not only by its patrons, but the general public. The past year has been, by far, the most successful in the history of the conservatory. It is outgrowing its home and to accommodate its increasing patronage must, in the near future, secure more commodious quarters. Those who realize the present need, have in their vision a new music hall, fully equipped to meet the growing demands of the times and of a style of architecture beautiful in its symmetry, to typify the art for which it shall stand. May trustees, alumni, patrons, teachers and the friends of the conservatory make that vision a reality!

The Faculty

The conservatory has made for itself a prominent place in the Northwest by its ideals, the strength of its faculty and the scope and thoroness of its curriculum.

It is fortunate in being affiliated with a college, whose president is favorable to and desirous of a strong school of music; also in having a director thoroly conversant with all phases of musical education and capable of planning in a large way for the future. Its instructors are earnest, successful men and women of broad musicianship and general culture. Most of them have had training in Europe's most renowned conservatories with artist teachers, aside from their education under the best American musicians. The others have had splendid American training.

Advantage of Conservatory Instruction

In a conservatory the music student is given not only every advantage which instruction with a private or independent teacher can offer, but many other opportunities as well.

Class work, in such musical subjects as harmony, counterpoint, fugue, composition, analysis, form, musical history, etc., is, in most cases, far better than private instruction. The exchange of ideas and regularity of lessons quickens musical perception and activity and brings results not obtained otherwise. Lectures and recitals also aid in creating musical atmosphere, which is invaluable. The inspiration gained in such environment is as essential to those pursuing the study of music as a recreation as it is to the more serious student, who expects to enter the professional life.

Value of Combined Conservatory-College Life

The lover of music, if a college student or graduate, is a more appreciative listener than he who has simply the natural love for the art.

To the student in a conservatory closely allied with a college there are many cultural opportunities of great importance in the development of a broad musicianship; also, to the college student, the atmosphere created by the conservatory is of great value in developing the appreciation of the principles of the musically beautiful, an essential in a liberal education. Conservatory students are urged to attend the college events and the college students those of the conservatory.

Course of Study

The Conservatory of Music offers a thoro course of instruction in voice, piano, organ, violin and other stringed instruments; also a theoretical course including harmony, counterpoint, composition, musical history and analysis. In each branch of musical study a systematic course, leading to graduation, will be pursued. Time required for completion varies—the length of course depending on the pupil's ability and intelligent devotion to work.

There is a preparatory, a junior and a senior year, bounded at the beginning by strict entrance requirements and at the end by a degree of Bachelor of Music. The required studies of the preparatory year include, besides the major subject, as piano, voice, organ or violin, two hours weekly of harmony, one of history of

music, one of sight-reading, one of recital, one of chorus, five hours' study of English, German, or any subject for which the student is prepared,—studies all receiving due credits in the College. Compulsory requirements are a new feature of this preparatory year.

The junior year continues the studies begun as preparatory, working into the more advanced harmony, history, recital and chorus, and substituting for sight-reading, ensemble playing, hymn playing in college chapel for organ students, chamber music and orchestral playing for violin students, and an additional year of piano for vocal students. Normal training course is taken in this year. Students satisfactorily completing this year of work will be given a teacher's certificate if desired.

The senior year requires of all students study of appreciation of music, history of the fine arts, and the writing of a graduation thesis,—of the piano students a year of vocal and a half year of accompanying, besides advanced work in harmony and recital; of the vocal students, a third year of piano and a year of Italian, advanced work in harmony, recital and chorus; of the organ students, a third year of piano and a year of vocal, advanced work in harmony, recital and chorus; of the violin students, a third year of piano and a year of vocal, advanced harmony, recital and chorus.

New students entering for the senior year and desiring the teachers' certificate must make arrangements for the Normal course. Upon completion of the senior year, a diploma from the Conservatory of Music is awarded.

The degree of Bachelor of Music, which is given by several of the best schools, Syracuse, Northwestern and others, represents at Macalester a student's successful conclusion of a difficult course sealed by the approving stamp of the music faculty. Candidates for this degree must, in addition to the requirements of the senior year, have finished high school work in full and a year of college work, consisting of languages, physics of music and desired electives.

Aside from the regular courses, special courses to fit the needs of any pupil are planned. We urge all to select as far as possible such courses and studies as will develop a well rounded musicianship.

Those, however, not desiring to graduate or select any special course may pursue such musical studies as suit their taste.

Classification

Upon entrance pupils are examined, classified and placed in their fitting grade, by the director.

Entrance.—Pupils who expect to graduate must enter at the beginning of the school year. Those not wishing to graduate may enter at any time in the year. Completion of the eighth grade is required for entrance.

Teacher's Certificate.—Teachers' certificates will be given to all pupils who have taken the Normal course and completed the junior year in full to the satisfaction of their individual teachers; along with two units of English, besides the five hours required each year in regular course.

Diploma from the School of Music.—A student, to receive a diploma, must have completed the work of the senior year in full, written a graduating thesis, given a whole or such part of a program as the director may decide upon, and taken part in the graduating program of the Conservatory of Music. Further, graduates must have completed the equivalent of eight units of the course of the high school including two units of English, in addition to the five hours required each year.

Diploma with the Degree of Bachelor of Music.—Students who wish to take this course in music must, in addition to the required five hours a year, have completed high school work in full, and must take the equivalent of one year in college work. This work in college is to be made up as follows:—English, 1; Physics of Music; German, one year; French, one year; electives. Every music pupil must thruout the course take five hours of work in college or school.

Special courses are offered those living in the city who do not wish to take the regular course.

Music as a College Elective

Music, instrumental or vocal, may be taken as an elective in the junior and senior years of college work, provided the student is sufficiently proficient to do advanced work. A minimum of six hours a week must be devoted to the study, and it will not be credited for more than two hours per week. The fitness of the student to take up this elective will be determined by examination, and the expense of the instruction must be borne by the student.

Voice Culture

In the department of vocal music, those methods which experience justifies as being at once effective and artistic in their results have been adopted. It is the policy to secure a systematic and thoro culture on the basis of the best Italian methods.

Undisciplined voices require the utmost care and attention at the very commencement of training; therefore, if the future voice is to be at all agreeable and pleasant, the preliminary work must be perfectly mastered before proceeding further.

Intermediate Year.—The method book called "Voice and Song" is a compilation of all that is best in former treatises. It sets forth in a clear, logical and uncommonly practical manner the principles of singing, and has the most satisfying directions for instruction and practice. The material in this book, with vocalises by Sieber, Concone, and the study of songs, ballads by Larsen, Grieg, Buck, Gounod and others, makes the first year's work complete.

Junior Year.—Studies in phrasing and rapid execution, German Songs by Mozart, Schubert, Schumann, Liszt, Franz, Beethoven, etc., also some of the lighter selections from the operas.

Senior Year.—Oratorio in all forms, Bach, Haydn, Handel, Mendelssohn, Gounod, Verdi. Selections from the heavier operas and songs of the modern school. Frank, Wolf, Homer, Tours, Massenet, Dvorak, Ronald, Nevin, Ganz.

Every student graduating in vocal music must have at least one year of German.

Graduate Course.—Aims to develop the artistic sense to a still greater degree, according to art traditions.

Harry Phillips, Director of the Conservatory, has had charge of the vocal department for many years. His thoro education, both in this country and abroad, and his wide experience in musical matters, have established him as a prominent educator of the Twin Cities. For several years he has held positions of distinction in the musical life of St. Paul and Minneapolis churches, as soloist and director of choruses. He has filled many engagements as soloist thruout the Northwest and with the Minneapolis and St. Paul Symphony orchestras. Many of his pupils are filling important positions as choir soloists and teachers. Mr. Phillips is President of the Minnesota Teachers' Association.

Pianoforte

Individual instruction is given and the regular course calls for one hour's instruction per week, divided into two lessons of thirty minutes each. Where but one lesson a week is taken, the lesson will be forty-five minutes in length.

Preparatory.—Thoro grounding in hand, finger and arm training. Rudiments of music. Easier studies to suit capabilities of each pupil. Pupils are thoroly prepared for the entrance into the three years' course.

Intermediate.—Czerny, Velocity Studies; Bertini, Loeschorn, Heller, etc.; Bach—Little Preludes and Fugues; Sonatinas and Easy Sonatas.

Junior Year.—Czerny, Op. 740; Cramer-Bulow, Fifty Selected Studies; Heller, MacDowell, etc.; Bach—Two- or Three-Part Inventions, French Suites; Sonatas of Mozart, Haydn and Beethoven.

Senior Year.—Clementi, Tausig, Gradus ad Parassum, Czerny, Op. 740, Chopin Etudes, Kullak Octave School, Bach's Forty-eight Preludes and Fugues; Sonatas and Concertos of Beethoven and other masters. Repertoire from classical and modern composers.

In each grade, suitable pieces will be given as the pupil is ready for them.

Postgraduate.—Advanced work. Continuation of previous year. Concertos (with second piano or orchestra accompaniments).

Geo. H. Fairclough, in charge of the piano department, has given the conservatory several years of valuable musical experience. Educated under European masters, he is thoroly equipped as an instructor of the best modern methods. The success of many of his pupils on the concert platform and as teachers gives evidence of his musicianship.

He has served as president of Minnesota Teachers' Association and also as chairman of the Examination Board of the same organization.

Violin

The violin department has become a leading feature in the musical life of all conservatories. Year by year the number of violin students is increasing. To keep pace with the demands of the time, this department of our school has been developed until today it presents exceptional advantages for the study of what is called "the most perfect musical instrument known."

The violin course is not expected to be followed strictly, nor does it claim to be complete. In the private lessons each pupil can be favored with studies which suit his or her special requirements. To secure the best results it is at times necessary to use other exercises than those mentioned. With the technical course

a selection of compositions from the whole range of violin literature up to the present time will be used. These will be chosen from the representative composers of the different periods and schools, with the intention of giving the pupils a knowledge of the individual interpretation of each kind.

Preparatory Course

Dancla Violin Method, or Hermann Violin School; Wohlfahrt, Op. 45; Kayser, Op. 36; Hermann, Op. 20, Bks. I and II; Dancla, Op. 68; Mazas, Op. 36, Bks. I and II; Dont, Leonard, Op. 40; Sevcik, Op. 8 and 9; Hermann, Op. 29, Bk. II.

Developing Course

Kreutzer, Fiorillo, Rode, Mazas, Op. 36, Bk. III; Hermann, Op. 29, Bk. III; Campagnoli, Op. 18.

Finishing Course

Gavinies, Paganini, Wieniawski, Vieuxtemps, Op. 16; Sauret, Bach Sonaten.

Scales, bow and finger exercises will be used as needed to meet the requirements of the various pupils.

Students have the privilege of the tutelage of Mr. Hoevel, of Europe, and Mr. Pepinsky, both exponents of the best violin schools and eminently successful in solo, ensemble and orchestral work. The former is recognized as an authority in his profession and was chosen on account of his reputation as an instructor. The latter has made an enviable record for himself in the musical life of St. Paul.

Pipe Organ

Before beginning the study of the pipe organ the student should have had at least one year's instruction on the piano and should have a thoro knowledge of the rudiments of music. The director of the department is organist of two leading churches in St. Paul, St. John's Episcopal and Mount Zion Hebrew Temple. He is also Dean of the Minnesota Chapter of the American Guild of Organists. Many of the younger organists in St. Paul are, or have been, pupils of Mr. Fairclough.

Public School Music

Miss Kay was for four years a supervisor of public school music and is thoroly conversant with the most approved methods now in use. She is an enthusiastic instructor, with a love for her work in preparing her students for their chosen field of teaching.

One of the greatest inducements offered is the chance to visit different schools, and there get an idea of the practical side of the work as given in all the grades of the St. Paul and Minneapolis schools.

There is a steady and constantly increasing growth in the demand for competent men and women thoroly equipped for the teaching and supervising of music in public and private schools. There is, however, a corresponding advance in the preparation required, and it is no longer possible for one, however musical, to do satisfactory work without special training along well defined and systematic lines. This training is not only essential, but is demanded by superintendents and boards of education when employing teachers of public school music.

All students in public school music who are preparing to teach this branch will be required to take an examination in voice in order to receive a certificate, given by the Music Teachers' Association of Minnesota in their new plan of examining and classifying teachers according to their fitness for such work. School superintendents will require such certificates from all applicants.

The study of voice will be required of pupils in public school music to meet this demand.

Sight Reading

All pupils of vocal music must have at least one year of sight reading before receiving either a teacher's certificate or diploma. The cost of these lessons will be nominal. It is impossible to sing correctly and effectively at all times without an exact and practical knowledge of music and its notations. Miss Kay has charge of this class.

Normal Training Course for Piano Teachers

The demand of the times is for musicians equipped not only technically, but also in the art of imparting instruction. The normal course is designed to meet such demands and to give young teachers valuable assurance.

Miss Briggs has been in charge of the musical affairs of several of Minnesota's well known schools. This experience in connection with college, conservatory and private school musical work, also that gleaned from several years of successful private teaching in Colorado and Minnesota, make her work authoritative, especially to those desiring to learn how to impart their knowledge to others.

Normal Courses for Voice and Violin

These courses cover one year. The object is to show students how to impart their knowledge to others. Those who expect to teach will find the lessons invaluable.

Theory

The importance of exhaustive and thoro work in the various theoretical studies cannot be too strongly emphasized. A rudimentary or fundamental course should precede ear training, sight singing, harmony, analysis, counterpoint (simple and double), canon and fugue (the supreme contrapuntal forms), orchestration and composition.

Ensemble Classes

The study of chamber music is a very important one to the advanced student of any instrument. The impetus to more thoro practice, mental activity, development of rhythm and color, and an insight into this particularly rich field of musical text, is of untold value. Both classic and modern music is studied. Students who come mainly for the study of piano, violin or any other instrument should, if possible, arrange for some work in this line.

Conducting

Students of required age and having adequate musicianship can make arrangements for this course.

Church Music

A course in church music is given if desired to advanced students.

Ensemble Piano Classes

For the development of correct time, rhythm, knowledge of text, etc., these classes are invaluable. All piano students should arrange for this interesting work with the director.

Art of Accompanying

Students having the required technic and musicianship are advised to avail themselves of the valuable opportunities presented in this course. The ability to play an artistic accompaniment is a valuable asset to any musician, whether in the social or professional world.

Special Corrective Lessons

Pupils having poor interpretation, time, fingering, phrasing, rhythm, etc., should arrange for corrective course. This may be taken from the teacher with whom they are pursuing their musical studies or from a special teacher.

Travel Classes

Travel classes for music students provide interesting study. Musical trips will be taken, mentally, to the homes and haunts of famous musicians. Illustrated talks will be a part of the work. The expense will not be great. This work will be in charge of Miss Briggs, and is a new feature in conservatory life.

History of Music

In the study of the history of music, which is obligatory to all music pupils, Mathews' Popular History of Music and Fillmore's Lessons in Musical History are used. Students also have access to all of the best and most complete works bearing on the study of the voice and piano.

Appreciation of Music

This class gives an opportunity for careful analysis of different forms and special works of music, bringing the student into close touch with the best in musical literature.

From time to time selections from the best composers are rendered by the students. Miss Kay presents both this subject and that of history of music in a very interesting, thoro manner.

Ear Training

Ear training may be taken at any time during the course. Pupils should begin this study as early as possible in their musical course, as it develops tone and harmonic thought, so essential to sound musicianship. It distinguishes the musician from the mere performer. Students are trained to write in correct notation, tones, intervals, chords, musical phrases, etc., which are played or sung to them.

History of Fine Arts

The study of the allied arts is of great cultural advantage to the musician in the development of artistic tastes. Instruction in the way of weekly illustrated lectures is given by Mrs. Hodgman. Books of reference such as Luebke's History of Art,

Marquand and Frothingham's History of Sculpture, Hamlin's History of Architecture, Van Dyke's History of Painting, and Apollo by Reinach are used. Visits to the T. B. Walker and other art galleries are madeduring the year.

Student Recitals

These opportunities for public performance are helpful in overcoming natural diffidence and nervousness, and in giving that confidence and poise so necessary to the successful player and singer.

Pupils also gain an ever-increasing knowledge of musical text, aside from that with which they come in contact in their own study. The instructors allow only such students as have reached a certain degree of proficiency to appear in recital.

Pupils who absent themselves from the frequent recitals given by the faculty and students will find that their credits will be affected.

Community Music

Social center programs were given at Mechanic Arts High School, Mounds Park, Douglas and Hancock grade schools by the students during the past winter. Instruction in voice and ear training was also given by one of the conservatory normal students at the Schubert Club Settlement Music School, located in the Neighborhood House, West St. Paul. Students of the conservatory have also appeared as soloists and members of quartets and choruses in some of the prominent churches of the city.

Musical Organizations

Choral Society.—Each year a chorus under the direction of Mr. Phillips is formed for the purpose of studying some sacred cantata or oratorio, which, after thoro preparation, is given in the Westminster Presbyterian Church, Minneapolis, and the House of Hope Presbyterian Church, St. Paul. Haydn's "Creation" was given last year. The benefit of such work is of untold value to everyone, whether music student or not, and is open to all students who have good voices and wish to become members. The charge will be two dollars per year. The social feature is the annual picnic.

Orchestra.—A college orchestra, composed of students under the leadership of A. Pepinsky, an experienced musician in college musical life, is open to all students at a nominal fee of one dollar a year.

The orchestra is composed of those students who play orchestral instruments and covet the pleasure and benefits of orchestra experience. They meet once each week for rehearsal and are frequently called upon to furnish music on public occasions. A good class of music, reflecting in a measure the tastes and spirit of the performers, is studied, due attention being paid to the technical details necessary as a basis for an adequate musical interpretation. Thus the work is systematic and progressive, aiming, as it does, to instruct as well as entertain.

Euterpean Society.—A conservatory organization which brings the pupils together for social and musical recreation. Its object is to create good fellowship and musical development. The programs are varied and interesting. Students receive admission into this society by invitation. The dues are fifty cents per semester.

Women's and Men's Glee Clubs.—Under the leadership of Mr. Harry Phillips and Mr. Virgil Guthrie, these organizations have been an interesting feature of the musical activities of the year. Thru their unique programs, presented not only in the Twin Cities but in many towns throughout the state, they have been the means of acquainting the general public to a greater extent with Macalester Colleage and its musical life.

Course in Music

Preparatory Year

PIANO	Hrs.	Cred.
Piano 1st and 2d	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½
English, German or any other subject for which they are prepared.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Recital	1	½
English, German. Elect German if less than two years.		

ORGAN	Hrs.	Cred.
Organ	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Harmony	2	2
General History	1	1
Sight Reading	1	½
Chorus	1	½
Piano	1	1
Recital	1	½
English, German or any subject for which prepared.		

Junior Year

PIANO	Hrs.	Cred.
Piano	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Normal Piano	1	1
Recital	1	½
Chorus	1	½
Ensemble Playing	1	½
German, French or any subject for which prepared.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Harmony 1st Sem.	2	2
Theory 2d Sem.		
History of Music	1	1
Normal Voice	1	1
Recital	1	½
Chorus	1	½
Piano	1	1
German, French or any subject for which prepared.		

ORGAN	Hrs.	Cred.
Organ	2	2
Theory	2	2
History of Music	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chapel Playing	1	½
German, French or any subject for which prepared.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Theory	2	2
History of Music	1	1
Normal Violin	1	1
Recital	1	½
Piano	1	1
Chorus	1	½
Chamber Music	1	½
French.		

Senior Year

PIANO	Hrs.	Cred.
Piano	2	2
Vocal	1	1
Theory	2	2
Recital	1	½
Ensemble Playing	1	½
Appreciation	1	½
History of Fine Arts	1	1
Chorus	1	½
Graduating Thesis.		

VOCAL	Hrs.	Cred.
Vocal	2	2
Piano	1	1
Theory	2	2
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Italian		
Graduating Thesis.		

ORGAN	Hrs.	Cred.
Organ	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2
Graduating Thesis.		

VIOLIN	Hrs.	Cred.
Violin	2	2
Piano	1	1
Vocal	1	1
Recital	1	½
Chorus	1	½
Appreciation	1	½
History of Fine Arts	1	1
Theory	2	2
Graduating Thesis.		

In the college eight credits will be allowed toward graduation. These credits are on the basis of one-hour periods.

Terms for Instruction

Per Semester

Tuition prices vary with the grade and the teacher.

Voice	$100.00 to $30.00
Piano	63.00 to 22.00
Pipe Organ	72.00 to 45.00
Violin	72.00 to 20.00
Ensemble	25.00
Harmony	18.00
Public School Music	30.00
Normal Training	40.00
Sight Reading	4.50
Piano Practice, per hour	4.00
Organ Practice, per hour	12.00
Incidental Fee	.50
Cost of Graduation	10.00

College fees for conservatory students taking college work are paid at the beginning of each semester before completion of registration and strictly in advance, as follows:—

Tuition (five to eight hours per week) $15.00

Arrangements made for instruction on all orchestral instruments.

Special arrangements for guitar, banjo and mandolin lessons.

Ensemble piano class instruction.

Courses in accompanying and conducting.

Corrective lessons, church music, etc., arranged for at office.

Students and student-teachers prepared for state music teachers' examinations.

The cost of sheet music for a year is comparatively small, as reduced rates are given the students.

History of music, Appreciation, Ear training and History of Fine Arts are free advantages.

Discount will be allowed on tuition bills for two or more studies paid a year in advance.

Punctuality at lessons is required. If attendance at any lesson is impossible, notice should be given at the office.

Reports will be issued at the end of each term.

Students desiring to perform at any public event not connected with the conservatory should confer with the director.

Diplomas will not be given to students who have been in attendance at the conservatory for less than a school year.

Lessons falling on legal and special college holidays will not be made up except in special cases.

Any cause of dissatisfaction should be promptly reported to the office, where it will receive attention.

Deficiency in any class work can be made up by private lessons, arrangements for same to be made with director.

State music teachers' examinations must be taken by all pupils who wish to graduate in vocal, piano, violin, pipe organ or public school music. These examinations will be given the last week in May of each year. In preparation for these examinations quizzes are given semi-monthly.

Honorary Degrees

Conferred by Macalester College

No honorary degrees were given by Macalester College before 1901.

1901: D. D. to Rev. Charles Thayer, Ph. D.....Deceased
D. D. to Rev. George W. Davis, Ph. D...St. Paul, Minn.

1902: D. D. to Rev. H. F. Stilwell.....St. Paul, Minn.
D. D. to Rev. J. Le Moyne Danner.....Indianapolis, Ind.
LL. D. to Hon. Thomas Wilson.....Deceased

1903: D. D. to Rev. Joseph Cochran, Macalester, '89.....
.....Philadelphia, Pa.

1904: D. D. to Rev. Stanley B. Roberts.....Minneapolis, Minn.
M. A. to Myron A. Clark, Macalester, '90.....
.....Rio de Janeiro, Brazil

1905: D. D. to Rev. Charles F. Hubbard.....Auburn, N. Y.

1906: D. D. to Rev. Donald D. McKay.....Tacoma, Wash.

1907: D. D. to Rev. Archibald Cardle, Macalester, '94.....
.....Burlington, Iowa

1910: D. D. to Rev. Charles T. Burnley.....Deceased
D. D. to Rev. Alfred E. Driscoll.....Ashland, Wis.
D. D. to Rev. William Porter Lee, Macalester, '89.....
.....Germantown, Pa.
D. D. to Rev. Harry Clinton Schuler, Macalester, '95....
.....Resht, Persia
D. D. to Rev. John Hansen Sellie, Macalester, '95.....
.....Buffalo, Minn.

1911: D. D. to Rev. Charles Allen Clark, Macalester, '99.....
.....Seoul, Korea
LL. D. to Rev. Albert Brainerd Marshall, D. D.....
..... Omaha, Neb.
LL. D. to Rev. George Livingstone Robinson, Ph. D., D. D.
.....Chicago, Ill.

1914: D. D. to Rev. George Ewing Davies..Salt Lake City, Utah
D. D. to Rev. Joseph Carle Robinson.....
.....White Bear Lake, Minn.
LL. D. to Hon. James Jerome Hill.....St. Paul, Minn.

1915; Litt. D. to Rev. John Wright.....St. Paul, Minn.
D. D. to Rev. William C. Laube '01 .....Dubuque, Ia.

Alumni

Alumni Association

It will be esteemed a favor if each alumnus who changes his residence will notify the President of his new address. Information from any source that will assist in keeping this roll complete will be appreciated.

The Alumni Association of Macalester College has two purposes in view: to bind into a unit the graduate body and help to preserve and increase the value of the friendships formed in College, and to further the interests of the Alma Mater and make her more widely known. Communications to the Alumni Association should be sent to the college.

Officers

W. M. Hobart.....President
H. D. Funk.....Vice-President
Mrs. W. H. Kindy.....Secretary
Isabelle Elmer.....Treasurer

Roll of Alumni

Class of 1889

George Washington Achard.....Business, Minneapolis, Minn.
Joseph Wilson Cochran.....Minister, Philadelphia, Pa.
Ulysses Grant Evans.....Minister, Sweetwater, Ill.
James Chase Hambleton.....Teacher, Columbus, Ohio
Benjamin Wallace Irvin.....Deceased
Samuel M. Kirkwood.....Surgeon, Absarokee, Mont.
William Porter Lee.....Minister, Germantown, Pa.
Paul Erskine McCurdy.....Business, Philadelphia, Pa.
Louis Ferdinand Slagle.....Deceased
Charles Albert Winter.....Deceased

Class of 1890

Myron A. Clark.....National Sec. Y. M. C. A., Coimbra, Portugal
Thaddeus T. Cresswell.....Minister, Pomona, Cal.
John Knox Hall.....Missionary, Denver, Colo.
William Henry Humphrey.....Deceased
William Paul Kirkwood.....Professor, U. of M., St. Paul, Minn.
Amos Avery Randall.....Deceased
Judson L. Underwood.....Missionary, Ashland, Kan.

Class of 1891

Frank Brown.....Principal, Chicago, Ill.
Walter F. Finch.....Minister, Minneapolis, Minn.
Walfred Sunberg.....Deceased
William B. Turner.....Business, Boston, Mass.
Thomas C. Williamson.....Business, Greenwood, S. D.

Class of 1893

James Carlisle Simonton.....Business, Minneapolis, Minn.
Joseph Zoll..... Address unknown.

Class of 1894

Francis W. Beidler.....Minister, Blanca, Colo.
Archibald Cardle.....Minister, Burlington, Iowa.
Paul A. Ewert.....Attorney, Joplin, Mo.
George E. Johnson.....Business, Sayre, Okla.
Samuel M. Marsh.....Minister, Brown's Valley, Minn.
William H. Sinclair.....Minister, Clarksville, Iowa

Class of 1895

Frank E. Balcome.....Physician, St. Paul, Minn.
John W. Christianson.....Minister, Veblin, S. D.
Thomas Fitz-Morris Clark.....Deceased
Charles D. Darling.....Minister, Roswell, N. M.
Edwin Howard Gordon.....Deceased
Harry Clinton Schuler.....Missionary, Resht, Persia
John Hansen Sellie.....Minister, Buffalo, Minn.
Arthur Whitney Vance...City Editor, Daily News, St. Paul, Minn.

Class of 1896

Alexander Edward Cance, Prof., Mass. Agr. College, Amherst, Mass.
Moses M. Maxwell.....Deceased.
Samuel F. Sharp.....Minister, Exeter, Ontario, Can.

Class of 1897

Albert Ernest Evans.....Minister, Sunset, Wash.
Charles W. Hansen.....Deceased
Ernest Charles Henke.....Minister, Baraboo, Wis.
George Leck.....Deceased
John McLearie, Professor, State School of Mines, Rapid City, S. D.
Winifred Moore-Mace.....Racine, Wis.
Arthur A. Palmer.....Minister, Newberg, Ore.
Charles Petran.....Missionary, Mexico City, Mexico
Louis B. Sherwin.....Minister, Two Harbors, Minn.
William K. Sherwin.....Teacher, Barnum, Minn.
Arthur G. Welbon.....Missionary, Andong, Korea

Class of 1898

Clarence Dwight Baker.....Deceased
Charles Warren Dade.....Business, Rugby, N. D.
Anna Moore Dickson.....Teacher, St. Paul, Minn.
Caspar Gregory Dickson...Clerk National Library, Washington
Nellie M. Flanders-Sherwin.....Barnum, Minn.
John M. Guise.....Principal of School, St. Paul, Minn.
Carlton Leslie Koons.....Minister, Ashland, Wis.
Robert C. Mitchell.....Minister, Estherville, Iowa
William James Mitchell.....Minister, Grandview, Wash.
David Walter Morgan.....Minister, Nioto, Ill.

Class of 1899

Hugh S. Alexander..Professor, Macalester College, St. Paul, Minn.
Walter Baker Augur.....Minister, Jasper, Minn.
Charles Allen Clark.....Missionary, Seoul, Korea
Ralph Elmo Clark.....Teacher, Calgary, Alberta, Can.
Paul Doeltz.....Missionary, Iloilo, Philippine Islands
George C. Edson.....Minister, Hasbrouck Heights, N. J.
Thomas George Jamieson.....Business, Calgary, Can.
Almira F. Lewis.....Denver, Colo.
Robert Morris Lutz.....Business, San Francisco, Cal.
James Murray.....Minister, Othello, Wash.
Samuel Merton Pinney....Superintendent, Dodge Center, Minn.
Jacob Elmer Smits.....Deceased
George Stanley.....Minister, Bloomington, Minn.
Murray Alberton Travis.....Minister, Collegeport, Texas

Class of 1900

John Calvin Abels.....Business, St. Paul
Miles Strong Grimes.....Minister, White Salmon, Wash.
Ralph Emerson Herron.....Business, Tucson, Ariz.
John Robert Landsborough.....Minister, Oregon City, Ore.
Ernest A. Oldenburg.....Minister, Hastings, Minn.
Mathilde Pederson-Romunstaad.....Deceased
Irving David Roach.....Business, Azusa, Cal.
William James Sharp.....Minister, Ellensburg, Wash.
Roy Walker Smits.....Deceased
David A. Thompson.....Minister, Olympia, Wash.

Class of 1901

William Beckering.....Minister, Oostberg, Wis.
Louis Benes.....Minister, Waupun, Wis.
Henry Roy Bitzing.....Lawyer, Mandan, N. D.
Percy Porter Brush.....Lawyer, Kelso, Wash.
Charles Morrow Farney.....Business, St. Paul, Minn.
Henry D. Funk.....Professor, Macalester College, St. Paul, Minn.
Nathaniel E. Hoy.....Meadow, S. D.
Lewis Hughes.....Teacher, Ottawa, Minn.
Richard U. Jones....Professor, Macalester College, St. Paul, Minn.
William C. Laube.....Professor, Presb. Sem., Dubuque, Iowa
Millicent V. Mahlum-Kelts.....Newton, Kan.
William H. Travis.....
Pres. Gulf Coast University of Industrial Arts, Collegeport, Tex.
Lily Bell Watson.....Macomb, Ill.

Class of 1902

Frederick Brown.....Deceased
Robert L. Davidson.....Teacher, Kent, Wash.
Sarah A. Haines.....Seattle, Wash.
Grace Iddings-Fletcher.....Grand Forks, N. D.
Leonard L. Mann.....Minister, Ipswich, S. D.
Francis H. Newton.....Minister, Creston, Wash.
Winifred R. Pringle-Weber.....Coeur d'Alene, Idaho
Edgar E. Sharp.....Lawyer, Moorhead, Minn.
Benjamin Bruce Wallace, Instructor, N. W. University, Evanston, Ill.
Helen Margaret Wallace-Davies.....Chicago, Ill.

Class of 1903

John Morton Davies.....Minister, Chicago, Ill.
Bessie Shepherd Doig-Jacobson.....Knoxville, Iowa
Julia Anita Elmer.....Teacher, St. Paul, Minn.
Peter Erickson.....Minister, Minot, N. D.
Ebenezer Thomas Ferry.....Minister, Fergus Falls, Minn.
Emma Inez Godward-Davies.....St. Paul, Neb.
Robert McMaster Hood.....Minister, Manteca, Cal.
Peter Westin Jacobson.....Minister, Knoxville, Iowa
Raymond Lewis Kilpatrick.....Engineer, Sulzer, Alaska
Donald Norman MacRae.....Minister, Mitchell, Ont.
Henry Morgan.....St. Paul, Minn.
Joseph E. Rankin.....Minister, Long Lake, Minn.
Mary J. Rankin.....Missionary Teacher, Sneedville, Tenn.
Max M. Wiles.....Minister, Virginia, Ill.
William H. Weber.....Business, Coeur d'Alene, Idaho

Class of 1904

Grace Ivanore Chapin-Sharp.....Moorhead, Minn.
Peter Arthur Davies.....Minister, St. Paul, Neb.
Thomas Hunter Dickson.....Physician, St. Paul, Minn.
Margaret Evans-Detweiler.....Ponce, Porto Rico
William Horatio Kendall.....Minister, Farmington, Ill.
Alfred Edward Koenig....Instructor, U. of Wis., Madison, Wis.
William Oliver Rothney.....Inspector of Schools, Quebec, Can.
Henry John Voskuil.....Missionary, Amoy, China
Tolbert Watson.....Physician, Albany, Minn.
Mabel Wicker.....Teacher, Rush City, Minn.

Class of 1905

John Thomas Anderson.....Minister, Reading, Minn.
Earl Kenneth Bitzing.....Editor, Mandan, N. D.
Eugene Erwin Bromley.....Minister, Cosmopolis, Wash.
Isabelle Allison Elmer.....St. Paul, Minn.
Asa John Ferry.....Minister, Philadelphia, Pa.
Thomas Edwin Flinn.....Physician, Redwood Falls, Minn.
Ledru Otway Geib.....Physician, Detroit, Mich.
Mary Carnahan Guy-Shellman....Missionary, Pitsanuloke, Siam
Marie Grace Jamieson-Smith.....Lewisville, Ind.
Daniel Griffin Le Fever.....Business, Minneapolis, Minn.
James Albert Slack.....Minister, Powell, Wyo.
Robert Owens Thomas.....Chicago, Ill.
Jane Turnbull.....Teacher, Hutchinson, Minn.

Class of 1906

Levi H. Beeler.....Winthrop College, Rock Hill, S. C.
James Ekin Detweiler.....Missionary, Yamada, Japan
James Hamilton.....Minister, Hebron, Neb.
Roscoe Cliver Higbee.....Principal of School, St. Paul, Minn.
Alexander Hood.....Missionary, North Fork, Cal.
Albert Kuhn.....Professor, Presby. Sem., Dubuque, Iowa
Paul H. Th. Rusterholz.....Graduate student, Chicago, Ill.
Ruth Estelle Swasey-Rusterholz.....Chicago, Ill.
Gordon Graham Thompson.....Physician, Seattle, Wash.
Frank Harvey Throop.....Missionary, Soo Chow, China
Margaret Turnbull.....Principal, Watertown, S. D.

Class of 1907

William Harvey Amos.....Minister, Ida Grove, Iowa
James Albert Caldwell.....Principal, Tower City, N. D.
Robert W. Davies.....Superintendent, Morris, Minn.
Josephine Elmer-Ballou.....Rochester, Minn.
Marshall Gregory Findley.....Graduate student, Princeton, N. J.
Richard David Hughes.....Minister, Chicago, Ill.
Martha Antoinette Jacobson-Maitrejean.....St. Paul, Minn.
Henrietta Cecelia Lundstrom.....Teacher, Morris, Minn.
Rose Amelia Metzger-Nutt.....Sidney, Mont.
David McMartin.....Minister, Leadville, Colo.
Rhoda Catherine MacKenzie.....Nurse, San Francisco, Cal.
Richard Samuel Nutt.....Bank Cashier, Sidney, Mont.
Ole Johnson Oie.....President Theo. School, Christiania, Norway
William Fred Pottsmith.....Minister, Ellsworth, Wash.
Mary Pauline Payne-Healy.....Mapleton, Minn.
Minerva Schlichting.....Deceased
Ruth Adelia Sherrill.....Teacher, Blue Earth, Minn.
Mary Helen Smith-Jones.....St. Paul. Minn.
George Hill Smith.....Business, Excelsior, Minn.

Class of 1908

George Kemp Aiken.....Editor, Roslyn, Wash.
Hanna Sophia Berg.....Teacher, Rush City, Minn.
Ralph Brinks.....Buffalo, N. D.
Richard Stanley Brown.....Minister, Fairgrove, Mich.
Edith Frederica Cale.....Deceased
Clifford Clement Cornwell.....Minister, Sherman, N. Y.

Evan Milton Evans.....Middle River, Minn.
Rosella Evans-Griffith.....Ottawa, Minn.
James Todd Guy.....Lawyer, Milwaukee, Wis.
Mary Elizabeth Guy-Wallace.....Zumbrota, Minn.
Walter Mell Hobart.....Business, Minneapolis, Minn.
Lucy Ma Belle Hyslop-Flinn.....Redwood Falls, Minn.
Nina Foy Johnson-Wallace.....Harrison, Ark.
Margaret Edith Lakey-McDonald.....Walhalla, N. D.
Peter McEwen.....Minister, Earl Park, Ind.
Luke Edward Marvin.....Duluth, Minn.
Martha Bessy Olson-Bromley.....Cosmopolis, Wash.
Stanley Hall Roberts.....Minister, Britton, S. D.
Lydia Anna Schroedel-Hobart.....Minneapolis, Minn.
Clarence Mason Stearns.....Business, St. Paul, Minn.
Robert Sinclair Wallace.....U. S. Forest Service, Harrison, Ark.

Class of 1909

Emma Bertelle Barker-Marvin.....Duluth, Minn.
Lucas H. Brinks.....Superintendent, Elbow Lake, Minn.
Albert Daniel Davies.....Business, Minneapolis, Minn.
David Roy Jones.....Minister, Bowling Green, Mo.
Lulu Lane Piper-Aiken.....Roslyn, Wash.

Class of 1910

George Samuel Barclay Acheson .....Minister, Raymond, Wash.
William Jefferson Bell.....Minister, Virginia, Minn.
Joseph Vaclav Beran.....Hibbing, Minn.
Charles Taylor Burnley.....St. Paul, Minn.
Edward John Carson.....Minister, Conrad, Iowa
John Andrew Evert.....Physician, Brainerd, Minn.
June Rose Evert-Lanterman.....Mandan, N. D.
Albert Howard Gammons.....Minister, Butte Falls, Ore.
Jesse Willis Hamblin.....Minister, Cass City, Mich.
Stanley Hurlbut Hodgman..... Potlatch, Idaho
William Andrew Horne.....Minister, Calvin, N. D.
Helen Mary Hunt-Bell.....Virginia, Minn.
Edward Henry Joesting.....St. Paul, Minn.
John Archibald McEwen.....Minister, Hannaford, N. D.

Sarah Grace McMartin-Carson.....Grand Rapids, Minn.
Pearl Alma Nash-Evert.....Brainerd, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Minnie Mae Pierson-Evans.....Middle River, Minn.
Mary Elsie Raymond-Muhr.....Eugene, Ore.
Gladys Isabelle Roberts.....Minneapolis, Minn.
Jeannette Paulina Sawyer-Guild.....St. Paul, Minn.
Frederick Samuel Shimian.....Minister, North Bend, Ore.
Elmer Stuart Smith.....Kopiah, Wash.
Elizabeth Libby Staples-Brown.....St. Paul, Minn.
Vernon Elliott Stenerson.....Law Student, Minneapolis, Minn.
Anna Elizabeth Taylor.....Teacher, Fergus Falls, Minn.
Norman Kendall Tully.....Theological Student, Chicago, Ill.
Ruth Minerva von Dorn-Gammons.....Butte Falls, Ore.
June Adelia Woodward.....Duluth, Minn.

Class of 1911

William Ernest Baskerville.....Business, Elk, Wash.
Charles Bremicker.....St. Paul, Minn.
Allan Hill Brown.....Minister, Sandwich, Ill.
Homer Clyde Cardle.....Business, St. Paul, Minn.
Fred F. Carson.....Teacher, Minneapolis, Minn.
Janet Isabella Dodds.....Teacher, Lake Benton, Minn.
Donald Smith Doty.....Attorney, St. Paul, Minn.
Effie Miranda Ellison-Miner.....La Moure, N. D.
Hulda Olivia Ellison.....La Moure, N. D.
Oscar Melvin Ellison.....Business, La Moure, N. D.
Marjory Lucy Hanson.....Teacher, Corvallis, Ore.
Bayard William Heed.....Teacher, Verndale, Minn.
Arthur Billings Hunt.....St. Paul, Minn.
Ernest Wilburt Johnson.....Teacher, Larimore, N. D.
Ina Elizabeth Lindsley.....Marshall, Minn.
Anna Mae Little-Johnson.....Larimore, N. D.
Luella Irene Murphy-Dickinson.....Pierpont, S. D.
William Earls Noyes.....Teacher, Medford, Minn.
Adelaide Wadsworth Payne.....Student, Menomonie, Wis.
Russell Stephen Peterson.....Teacher, Silver Lake, Minn.
Leland William Porter.....Minister, Fargo, N. D.
Edna Francis White-Becker.....Amboy, Minn.

Class of 1912

Anna Elizabeth Anderson-Carson.....Conrad, Iowa
Dorothy Elizabeth Baumgart.....Teacher, St. Paul, Minn.
Clara Berdan.....Teacher, Albert Lea, Minn.
James Brinks.....Business, Zillah, Wash.
Orville Clifton Cardle.....Business, Missoula, Mont.
Bessie Florence Clark..... Teacher, Staples, Minn.
Mabel Emma Cosgrove.....Teacher, Pipestone, Minn.
Elva May Davis-Westerlund.....
Louise Lombard Davisson..Teacher, State Normal, Madison, S. D.
Jessie Ellen Fisher-Thomas.....Minneapolis, Minn.
Clarence Oscar Graue.....Coeur d'Alene, Idaho
Lilah Agnes Holden.....Teacher, Hudson, Wis.
Florence Hunt..... Teacher, Barnum, Minn.
Earl Duane Jenckes.....Dispatch, St. Paul, Minn.
Clarence Eugene Johnson.....Wayland, Minn.
Marion Burdick Jones.....Teacher, Glencoe, Minn.
Ruth Anna McKinlay..... Teacher, Medford, Minn.
Clarice Audrey Miller-Noyes.....Medford, Minn.
Pearl Margueritte Palmer.....Los Angeles, Cal.
John Gottfried Schmidt.....Teacher, Beatrice, Neb.
William Ellison Scott.....Principal, South St. Paul, Minn.
Ella A. Stearns.....Jasper, Minn.
Edna Alda Stewart.....Principal, Lake Crystal, Minn.
Cassie Marie Stoddart.....Teacher, White Bear, Minn.
Oakley Russell Tripp.....Y. M. C. A., Minneapolis, Minn.
Oscar Westerlund.....
Muriel Faye Wheeler.....Teacher, Zumbrota, Minn.
Harry Merrium Willmert.....Business, Blue Earth, Minn.
Ralph Calvin Wilson.....Teacher, Kalispell, Mont.

Class of 1913

Enoch Newman Bengtson.....Rush City, Minn.
Ragna Leonora Bye-Klein.....Minneapolis, Minn.
Lenna May Campbell.....Student, U. of M., Minneapolis, Minn.
Wilfrid Gladstone Campbell.....Superior, Wis.
Paul Ephraim Carlson.....Teacher, Waverly, Minn.
Mary Genevieve Carver-Stevens.....St. Paul, Minn.
George Oliver Chase.....Teacher, Manvel, N. D.
Leonard Alvin Clark.....Teacher, Wabasha, Minn.

Mary Bernice Clark.....Teacher, Claremont, Minn.
Emma Joy Frederick.....Teacher, Renville, Minn.
William Henry Wallace Holley, Student, U. of M., Minneapolis, Minn.
Berenice Antoinette Kellogg-Hamilton.....Somerville, N. J.
Robert Lloyd Lang.....Mapleton, Minn.
Del Leslie Laughlin.....Teacher, Lisbon, N. D.
Grace Eloise McClure-Voss.....Morris, Minn.
Elmer Shepard MacCourt.....Student, U. of M., St. Paul, Minn.
Joseph Robert Neller.....Fort Collins, Col.
Florence Amelia Otis.....Teacher, Mount Hope, Wis.
Norton Walter Peet.....Deceased
William Conkey Phillips.....Teacher, Eau Claire, Wis.
Edith Beatrice Pierson.....Nurse, Minneapolis, Minn.
Ruth Lynn Porter.....Teacher, Bryant, S. D.
Adeline Marie Rosebrock.....Teacher, Kerkhoven, Minn.
Mabel Josephine Scott-Peterson.....Jasper, Minn.
Ray Simons.....Teacher, Virginia, Minn.
James Merton Snyder.....Principal, Fulda, Minn.
Marie Ellen Thomas.....Minneapolis, Minn.
Katie Lillian White.....Teacher, Franklin, Minn.
Vera May Zimbeck.....Teacher, Monticello, Minn.

Class of 1914

Carrie Ellen Alvord.....Teacher, Amery, Wis.
Richard Harlow Anderson.....Teacher, St. Peter, Minn.
Wallace Jay Anderson.....Theological Student, San Anselmo, Cal.
Harold Harvey Baldwin...Theological Student, San Anselmo, Cal.
Hosea Greenwood Bosley.....Teacher, Luverne, Minn.
Arthur George Brown.....Teacher, Le Sueur, Minn.
Truman Dean Brown.....Teacher, Clinton, Minn.
Margaret Buckbee.....Gaylord, Minn.
Lulu Ellen Carey.....Teacher, Walnut Grove, Minn.
Howard Edward Clark.....Superintendent, Rugby, N. D.
Margaret MacGregor Doty.....Teacher, Elbow Lake, Minn.
Leslie Lisle Druley.....Business, St. Paul, Minn.
Vera Margery Dunlap-Marvin.....St. Paul, Minn.
Lloyd Gilmore.....Hope, N. D.
John Leslie Harvey.....Theological Student, San Anselmo, Cal.
Burton Patriquine Holt.....Theological Student, Chicago, Ill.
Alice Louise Lindsley.....Teacher, Amery, Wis.
Bessie Elizabeth Lovell.....Principal, Sauk Rapids, Minn.

Edward Everett McCabe.....Graduate student, Palo Alto, Cal.
Mable Mohr.....Teacher, Starkweather, N. D.
Esther Neller.....Teacher, Austin, Minn.
Evelyn Pickthorn.....Brown's Valley, Minn.
Helen Maria Prosser.....Teacher, Sacred Heart, Minn.
Harold Percy Roberts.....Teacher, Atwater, Minn.
Gertrude Gray Smith.....Teacher, Litchfield, Minn.
Helen Antonia Stratte.....Dawson, Minn.
Selma Ovidia Stratte.....Dawson, Minn.
Florence Adell Switzer-Hamil .....Two Harbors, Minn.
Charles Albert Thomas.....Business, St. Paul, Minn.
Elmer Wilcox Trolander.....Student, U. of C., Chicago, Ill.
Della Ann Trotter.....Dawson, Minn.
Lucius Harlow Watkins.....Student, U. of M., St. Paul, Minn.

Class of 1915

Clark Albin Abrahamson.....Towner, N. D.
Paul Benjamin Bremicker.....St. Paul, Minn.
Olive Margaret Brown.....Pipestone, Minn.
Mary Reid Cardle.....Teacher, Delevan, Minn.
Edward Maurice Clark....Theological Student, San Anselmo, Cal.
Luella Clara Conley.....Williston, N. D.
Margaret Defiel..... Teacher, Hills, Minn.
Josephine Dixon.....Warren, Minn.
Gwendolyn Lotimer Eastman.....Teacher, Pine River, Minn.
Eunice Geer Finch.....Deceased
Alice Julia Flinn.....Graduate Student, St. Paul, Minn.
Edith Almeda Haigh..... Teacher, Randalia, Iowa
Hillard Herman Holm.....Minneapolis, Minn.
Catharine Deaver Lealtad.....St. Paul, Minn.
Mabel Griffiths Montgomery.....Oriska, N. D.
John Samuel Nyquist.....Law Student, St. Paul, Minn.
Emily Helen Payne.....Graduate Student, St. Paul, Minn.
Madge Porter.....Teacher, Langdon, N. D.
Frieda Jeannette Radusch.....St. Paul Park, Minn.
Plato Earl Sargent.....Law Student, Cambridge, Mass.
Herbert Harrison Sell.....Teacher, Fertile, Minn.
Ruth Virden Slagg.....Teacher, Battle Lake, Minn.
Henry Frank Softley..... Theological Student, Chicago, Ill.
Gwendolyn Bromley Williams.....Teacher, Tower, Minn.
Bert Benjamin Willmert.....Blue Earth, Minn.

Alumni of the Conservatory of Music

Class of 1900

Mrs. Maud Taylor-Hansen.....Minneapolis, Minn.

Class of 1901

Millicent Viola Mahlum-Kelts.....Newton, Kan.

Class of 1905

Grace Taylor-Franklin.....Emerado, N. D.
Mrs. W. H. Amos.....Ida Grove, Iowa

Class of 1906

Carmen Mahlum.....Brainerd, Minn.
Pearl Neeb.....Lewiston, Minn.
Charrie Roberton.....Rushford, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Paul H. Th. Rusterholz.....Red Wing, Minn.

Class of 1907

Gyda Hansen.....St. Paul, Minn.
Richard U. Jones.....St. Paul, Minn.

Class of 1908

Ethel Erkenbrack-Funk.....Minneapolis, Minn.
Ada Nash.....Pipestone, Minn.
Gladys Neff.....Neillsville, Wis.
Minnie Tullar.....Warren, Minn.
Clara Odenwald-Abbet.....Worthington, Minn.

Class of 1909

Lorraine Vern Miller.....La Moure, N. D.
Rhea Le Pierre Rocheleau.....Ocean Park, Cal.
Anna May Woodworth.....Carlton, Minn.

Class of 1910

Ardelia Bisbee.....Madelia, Minn.
Mildred C. Corliss.....Portland, Ore.
Ada Dahlgren.....St. Paul, Minn.
Lillian Hall.....Minnewaukan, N. D.
Estelle Spayde.....Rapid City, S. D.

Class of 1911

Charlotte Burlington.....St. Paul, Minn.
Elva May Davis-Westerlund.....
Katherine Gamble-Baskerville.....Minneapolis, Minn.
Myrtha Marie Gunderson.....St. Paul, Minn.
Ethel Haggard-Stewart.....St. Paul, Minn.
Stella Wilhelmina Heger.....St. Paul, Minn.

Class of 1912

Mary Genevieve Carver-Stevens.....St. Paul, Minn.
Ethel Wilcox.....Mankato, Minn
Lottie M. Olson.....Argyle, Minn
Alice R. Olson.....Fargo, N. D
Louise Appel.....Springfield, Minn
Erna Appel.....Springfield, Minn.

Class of 1913

Harriet Martha Caldwell.....Monango, N. D.
Constance Pearl Johnson.....St. Paul, Minn.
Alice Elvira Larson.....Alexandria, Minn.
Geneva Samson.....St. Paul, Minn.
Ethel May Stewart.....St. Paul, Minn.
Stella Alice Tuttle.....Hastings, Minn.
Margaret Jane Williams.....Minneapolis, Minn.
Gladys Ruth Ziesemer.....St. Paul, Minn.

Class of 1914

Jean Adie (Bachelor of Music).....St. Paul, Minn.
Harriet Caldwell.....Monango, N. D.
Mabel Reed.....St. Paul, Minn.
Hazel Roche.....Farmington, Minn.
Evelyn Rumble.....St. Paul, Minn.
Blanche Runyon.....St. Paul, Minn.
Mildred Skauge.....Brainerd, Minn.
Ruth Spater.....St. Paul, Minn.
Clarence Vokoun.....St. Paul, Minn.
Amelia Wolf.....Nerstrand, Minn.
Vernie Wolfsberg.....St. Paul, Minn.

Class of 1915

Albina Agnes Minar.....Browerville, Minn.
Frank C. L. Minar.....Browerville, Minn.
Grace Evangeline Olen.....St. Paul, Minn.
Olive E. Scott.....Stillwater, Minn.
Ann Elizabeth Shell.....Wallowa, Ore.
Ethel Genevieve Tamborino.....St. Paul, Minn.
Grace Marie Waddell.....St. Paul, Minn.
Maude Julia Wanzer.....Charleston, W. Va.

Roll of Students

Senior Class

Arthur Glenn Adams.....Crosby, Minn.
Grace Emily Brown.....St. Paul, Minn.
Beryl Alberta Brownlee.....Blue Earth, Minn.
Gordon Lyman Brownlee.....Blue Earth, Minn.
George Rowland Collins.....Rugby, N. D.
Edna Marguerite Cottrell.....Luverne, Minn.
Thomas Crocker.....Minneapolis, Minn.
Francis Marion Dana.....St. Paul, Minn.
Marie Eleanor de Booy.....Elk River, Minn.
Margaret Douglass Downing.....St. Paul, Minn.
Ruth Marie Featherstone.....Hastings, Minn.
Helen Charlotte Gullikson.....Blue Earth, Minn.
Vergil Homer Guthrie.....Newton, Iowa
Frank Edward Hall.....St. Paul, Minn.
Arthur Bristow Hood.....Rapid City, S. D.
Isabelle Howard.....Minneapolis, Minn.
Howard Neff Huelster.....St. Paul, Minn.
Vincent Raymond Hunt.....Bricelyn, Minn.
Constance Darling Hunter.....Langdon, N. D.
Bertha Mamie Hurr.....Shakopee, Minn.
Gordon Lewis Keeley.....Hudson, Wis.
Christopher Leo Kenny.....St. Paul, Minn.
Fred Joseph Kenny.....St. Paul, Minn.
David Nathaniel Ling.....Kerkhoven, Minn.
John Thompson McCallum.....St. Paul, Minn.
Jessie Elizabeth McClure.....Litchfield, Minn.
Emily Lois McConkey.....Brewster, Minn.
Erwin Herbert Metag.....Morgan, Minn.
Loana Miriam Miller.....Nome, Alaska
Anna Seraphina Nelson.....Mora, Minn.
Andrew Hilmer Norum.....Mora, Minn.
Adolf Olson.....St. Paul, Minn.
Sadie Porter.....Dassel, Minn.
Howard Johnson Rankin.....St. Paul, Minn.
Zylpha Lauretta Sharpe.....St. Paul, Minn.
John Lyman Sheean.....Cloquet, Minn.
Alice Emma Stearns.....Jasper, Minn.

Olga Constantine Terzieff.....St. Paul, Minn.
Stella Alice Tuttle.....Hastings, Minn.
Vera Marie Utter.....St. Paul, Minn.
William Liston Walker.....Stephen, Minn.
Irving Howard Williams.....Minneapolis, Minn.
Margaret Jane Williams.....Minneapolis, Minn.

Junior Class

Effie Alice Adams.....Luverne, Minn.
Wylie Gustave Akenson.....St. Paul, Minn.
Kathryn Buckbee.....Minneapolis, Minn.
Lajla Marie Dale.....Madison, Minn.
Herbert Emil Dierenfield.....Fairfax, S. D.
Alice Muriel Everts.....Ashby, Minn.
Charles Gerlinger.....Spur, Minn.
Wallace Graydon Gibson.....St. Paul, Minn.
Ethelwyn Annette Hopkins.....Mankato, Minn.
Lewis A. Hughes.....Hopkins, Minn.
Rohland Andrew Isker.....Osseo, Minn.
Charles Stanley Knott.....Spur, Minn.
Thomas Kees Laird.....Oakland, Minn.
John Arthur Lewis.....St. Paul, Minn.
Ethel Marie McClure.....Litchfield, Minn.
Howard Hope McNiven.....Langdon, N. D.
Swan William Mattson.....Kensington, Minn.
Ernest Gustav Norstrom.....Minneapolis, Minn.
Iva Hortense Olson.....Minneapolis, Minn.
Evelyn Bradbury Page.....White Bear, Minn.
Joseph Howard Rhoads.....South St. Paul, Minn.
Allen John Robertson.....Rochester, Minn.
Irving J. Roth.....Minneapolis, Minn.
Esther Alta Schumann.....Rugby, N. D.
Gertrude Simons.....Virginia, Minn.
Oscar Bernard Sletteland.....Pigeon Falls, Wis.
William McIntyre Stronach.....Delhi, Minn.
Fay Lex Taylor.....Berwick, N. D.
Fremont David Taylor.....Aitkin, Minn.
Anna Marie Wagner.....St. Paul, Minn.
Lucille Anna Wilkerson.....St. Paul, Minn.
Clarence Charles Willmert.....Blue Earth, Minn.

Sophomore Class

Donald Leslie Augustine.....Kasson, Minn.
Albert Christopher Barbo.....Derondo, Wis.
Richard Rea Hunter Bennett.....St. Paul, Minn.
Maybelle Gustava Boystrem.....Trenton, N. D.
Leonard Bedient Brabec.....Kasson, Minn.
Ella Isabelle Clapp.....Mankato, Minn.
Gladys Somers Dallimore.....St. Paul, Minn.
Ruth Emhoff.....Owatonna, Minn.
John Kenneth Erickson.....Fulda, Minn.
Erling Eriksen.....Two Harbors, Minn.
Carrie Celestine Farmer.....Madison, S. D.
John Louis Ferry.....Kisby, Sask.
Milo G. Flaten.....Moorhead, Minn.
Robert Francis Gale.....St. Paul, Minn.
Paul Bennett Greig.....St. Paul, Minn.
Ralph Everett Greig.....Rushmore, Minn.
Roy Alfred Greig.....Rushmore, Minn.
Jesse Collins Hales.....Rugby, N. D.
Margaret Lyla Hammond.....St. Paul, Minn.
Pauline Hayes.....St. Paul, Minn.
Milton Boyce Hebeisen.....Carver, Minn.
Victor A. Heed.....Cokato, Minn.
James Kidd Hilyard.....St. Paul, Minn.
Frank Orville Holmes.....St. Paul, Minn.
Alice Ena Hough.....Kerkhoven, Minn.
George Percy Hough.....Kerkhoven, Minn.
Joel Carl Hultkrans.....St. Paul, Minn.
George Arthur Jensen.....Glenwood, Minn.
Esther Jerabek.....Hutchinson, Minn.
Edward Ludwig Johnson.....St. Paul, Minn.
Merle Constance Johnson.....St. Charles, Minn.
Martin Louis Kahner.....Minneapolis, Minn.
William Henry Lagas.....Austin, Minn.
Robert Laird.....Oakland, Minn.
Gladys Corey Lamson.....Lindstrom, Minn.
Raymond Horace Landon.....Minneapolis, Minn.
Ethel Marion Leck.....Minneapolis, Minn.
William H. Lee.....La Plata, Mo.
Eugenie Marie Legault.....Stephen, Minn.
Walter August Lienke.....Winnebago, Minn.

Lauron Harmon Lovelace.....Cottonwood, Minn.
Arthur Mauritz Lundholm.....St. Paul, Minn.
Glen Nyren McNaughton.....Cohasset, Minn.
Francis Lois Marvin.....Duluth, Minn.
Paul Matson.....St. Paul, Minn.
William Lawrence Medalie.....Gilbert, Minn.
Frederick Gregory Medcalf.....St. Paul, Minn.
Helen Minerva Moore.....Minneapolis, Minn.
Ruth Ludlow Moore.....Minneapolis, Minn.
Ethel Grace O'Neale.....St. Paul, Minn.
John Alexander Patterson.....St. Paul, Minn.
Carlton Edmund Ralph.....St. Paul, Minn.
Alexander Whyte Robertson.....Langdon, N. D.
Burton Rosenholtz.....St. Paul, Minn.
Evelyn Mary Rumble.....St. Paul, Minn.
Olive Collins Sachse.....St. Paul, Minn.
Ann Elizabeth Shell.....Wallowa, Ore.
Helen Isabel Sivertson.....Crookston, Minn.
Jean Pauline Smith.....Stillwater, Minn.
Ralph Andrew Soderlind.....Minneapolis, Minn.
Myrtle Dorothy Steen.....Kerkhoven, Minn.
Lenore Stuart.....Rapid City, S. D.
Milton Francis Sturtevant.....St. Paul, Minn.
Shirley Pierpont Thompson.....Minneapolis, Minn.
Faith Boyden Torinus.....St. Paul, Minn.
Thomas Douglas Turnbull.....St. Paul, Minn.
Thomas Edward Waddelow.....Fairfield, Ill.
Beatrice Walker.....White Bear, Minn.
Miriam Winifred Wallace.....St. Paul, Minn.
Ruth Azalia Webster.....St. Paul, Minn.
Arthur Louis Whiton.....Rochester, Minn.
Nancy Olivia Wick.....Minneapolis, Minn.
Paul Williams.....Owatonna, Minn.
Porter Ackerman Williams.....Estherville, Iowa

Freshman Class

William Dewey Amundson.....Kerkhoven, Minn.
Julian Francis Anderson.....Preston, Minn.
Reuben M. Anderson.....Worthington, Minn.
Ruth Marie Anderson.....Groton, S. D.
Leila Arvilla Atcherson.....Appleton, Minn.

Walter L. Backer.....Luverne, Minn.
Dorothy Badger.....Minneapolis, Minn.
John Lennart Beck.....Mountain Iron, Minn.
Leo Emil Beck.....Mountain Iron, Minn.
Willis Bergen.....Minneapolis, Minn.
Harold Arzt Binder.....St. Paul, Minn.
Bertha Blair.....Duluth, Minn.
Viola Mae Boley.....Mandan, N. D.
Cleo Louise Brandrup.....Mankato, Minn.
Hermann Louis Brandt.....Barnum, Minn.
Leslie Brown.....St. Paul, Minn.
Charles Bryan.....Red Wing, Minn.
John Earl Buchanan.....Ames, Iowa
Theodore Arzt Butzin.....St. Paul, Minn,
John Eugene Cecil.....Bowel, Ill.
Elizabeth Clark.....Duluth, Minn.
Helen Clark.....Rockville, Minn.
Constance Cronhardt.....St. Paul, Minn.
Marya E. Cushing.....St. Paul, Minn.
Wadie David David.....Damascus, Syria
Florence Anna Defiel.....St. Paul, Minn.
Newton Julian Dobson.....Tracy, Minn.
Emily Elizabeth Dodge.....Le Sueur, Minn.
Muriel Emily Carr Eastman.....St. Paul, Minn.
Ruth Elinda Eckstrom.....Long Lake, Minn.
Harlie C. Evans.....Worthington, Minn.
Robert Brown Faricy.....St. Paul, Minn.
Lucile Grace Farrell.....Warren, Minn.
Charles Agustine Flinn.....St. Paul, Minn.
John Raymond Gill.....South St. Paul, Minn.
Frances H. Gillette.....North St. Paul, Minn.
Hugh Glenn.....Kasson, Minn.
Ingvar Arthur Graff.....St. Paul, Minn.
Evelyn Carolyn Gran.....Jordan, Minn.
Edna Grace Grinager.....Minneapolis, Minn.
Melvin Louis Gundlach.....St. Paul, Minn.
Veva Ruth Halverson.....Revillo, S. D.
Anna Estella Hammerlun.....Cokato, Minn.
Harold James Hammond.....St. Paul, Minn.
Tillie Hansen.....Russell, Minn.
Hulda Johanna Hanson.....New London, Minn.

Helen Kay Hargreaves.....St. Paul, Minn.
Charlotte Hawley.....Minneapolis, Minn.
Berthold August Hensel.....Minneapolis, Minn.
Yale D. Hills.....Minneapolis, Minn.
LeRoy C. Holm.....La Porte, Ind.
William A. Howard.....Minneapolis, Minn.
Herold W. Isker.....Osseo, Minn.
Edith Lorine James.....St. Paul, Minn.
Victor Englebert Johnson.....Cokato, Minn.
W. Edward Johnson.....Duluth, Minn.
Luther J. King.....Fulda, Minn.
Adolf Kongelf.....Sidney, Mont.
Herbert William Larseen.....Minneapolis, Minn.
Robert Clarence Larson.....St. Paul, Minn.
William Paul Lee.....Pelican Rapids, Minn.
Marian Louise Lesher.....St. Paul, Minn.
Amy Marie LeVesconte.....Prior Lake, Minn.
Russell William Lewis.....St. Paul, Minn.
Hadley Henry Lidstrom.....Glen Ullin, N. D.
Alice Vivian Little.....Madison, Minn.
Edward Frithiof Lundholm.....St. Paul, Minn.
William Maurice Lyone.....St. Paul, Minn.
Sana Beth McKenny.....Spring Valley, Minn.
William Gordon McLean.....Minneapolis, Minn.
Margaret McLeod.....St. Paul, Minn.
Hazel V. McMaster.....Canton, Minn.
Helen Willina McRae.....St. Paul, Minn.
Wendell Scott McRae.....St. Paul, Minn.
Willis C. March.....Kalispell, Mont.
Laura Marles.....St. Paul, Minn.
Sidney G. Mason.....Buffalo, N. D.
Lawrence Miller.....St. Paul, Minn.
Lucia Jean Miller.....St. Paul, Minn.
Charles Burdick Mills, Jr.....Minneapolis, Minn.
Harold Davis Mills.....Minneapolis, Minn.
Merrell Mitchell.....Worthington, Minn.
William Morell.....Grandy, Minn.
Arnold Milton Negaard.....Kerkhoven, Minn.
Esther Theresa Nelson.....Prentice, Wis.
Hubert Gordon Nelson.....Lanesboro, Minn.
Serena Louise Nelson.....St. Paul, Minn.

Esther A. Neverman.....La Moure, N. D.
Albert J. Nigg.....Merrill, Iowa
Grace Ethel Noah.....Breckenridge, Minn.
Norman Eugene Nygaard.....Minneapolis, Minn.
David Nathaniel Nyquist.....Cokato, Minn.
Phyllis Irene Nyquist.....Kerkhoven, Minn.
Irwin M. Olson.....Minneapolis, Minn.
Harold Arthur Overholt.....Minneapolis, Minn.
Ruth Cleone Parsons.....St. Paul, Minn.
Carl Peterson.....St. Paul, Minn.
Lucy Marie Peterson.....St. Paul, Minn.
Chauncey Van Bergen Pierpont.....Bruce, Wis.
Clara B. Ravitch.....Minneapolis, Minn.
Cecil Harold Raymond.....Le Sueur, Minn.
Marion G. Reader.....Pipestone, Minn.
Violet Eva Reagan.....St. Paul, Minn.
George Douglas Reed.....St. Paul, Minn.
Gladys Harriett Reutiman.....Stillwater, Minn.
Clara Goldena Robinson.....Warren, Minn.
Leslie C. Schmidt.....St. Paul, Minn.
Ernest Schrader.....St. Paul, Minn.
Peter Arthur Schulberg.....Minneapolis, Minn.
Marion Evangeline Schulz.....St. Paul, Minn.
Annie Evelyn Scott.....Two Harbors, Minn.
Earl Angus Seely.....Worthington, Minn.
L. Jay Slade.....Minneapolis, Minn.
Harry Stone Slater.....Afton, Minn.
Helen Agnes Slater.....Afton, Minn.
Carolyn E. Smith.....St. Paul, Minn.
Alice Burgoyne Spencer.....St. Paul, Minn.
Mary Louise Spencer.....St. Paul, Minn.
Ada Rose Stalker.....Duluth, Minn.
Harry Wallace Stearns.....Jasper, Minn.
Evelyn Stoddart.....White Bear, Minn.
Helen Strachan.....Duluth, Minn.
Esther Sundfelt.....St. Paul, Minn.
Allyn Casper Taylor.....St. Paul, Minn.
George A. Taylor.....Austin, Minn.
Clarinda Eleanor Trandem.....St. Paul, Minn.
Estelle Travers.....Gary, S. D.
Ralph Downs Tyler.....Minneapolis, Minn.

Paul R. Updyke.....Fulda, Minn.
Dorothy Waldeland.....Minneapolis, Minn.
Margaret Thompson Walters.....St. Paul, Minn.
Henrietta J. Webb.....South Park, Minn.
Mary Gustina Wehlitz.....St. Charles, Minn.
Margaret E. Wharry.....St. Paul, Minn.
Clinton L. Winchester.....Warren, Minn.
Alvin Pontus Wold.....St. Paul, Minn.

Special Students

Catherine A. Barker.....Minneapolis, Minn.
Lilah Vivian Bellingham.....Bellingham, Minn.
Mary Pitinger Blakeslee.....St. Paul, Minn.
Mildred Brockman.....St. Paul, Minn.
Gladys Etheridge.....Wild Rose, Wis.
Dorothy Wilder Hutchinson.....St. Paul, Minn.
Pearl N. Kaehler.....St. Charles, Minn.
Henry Arthur Kehne.....St. Paul, Minn.
Laura M. Lynch.....Orr, N. D.
Marion L. McLeod.....St. Paul, Minn.
Mary E. McRae.....Lee, Mont.
Margaret Sylvia Mount.....St. Paul, Minn.
Paul Gage Nauman.....Eau Claire, Wis.
Arthur H. Nelson.....St. Paul, Minn.
Mildred Peabody.....St. Paul, Minn.
Harriet Frances Pierpont.....Bruce, Wis.
Opal Plaisted.....Minneapolis, Minn.
Marion Orrilla Potter.....Wahpeton, N. D.
Victor Hugo Roecker.....Grand Rapids, Minn.
Alvina Siren.....Duluth, Minn.
Florence Van Bergen.....St. Paul, Minn.
Janet Evelyn Vokoun.....St. Paul, Minn.

Conservatory of Music

Ruth Anderson.....Groton, S. D.
Catherine Barker.....Minneapolis, Minn.
William Beddie.....St. Paul, Minn.
Lilah Bellingham.....Bellingham, Minn.
Avis Beyer.....St. Paul, Minn.
Elizabeth Bill.....St. Paul, Minn.
Harry Bill.....St. Paul, Minn.

Willard Bixby.....St. Paul, Minn.
Leonard Brabec.....Kasson, Minn.
Hazel Briggs.....St. Paul, Minn.
Helen Clark.....Rockville, Minn.
Mary Creglow.....St. Paul, Minn.
Constance Cronhardt.....St. Paul, Minn.
Lajla Dale.....Madison, Minn.
Gladys Dane.....St. Paul, Minn.
Gladys Dewey.....Canby, Minn.
Elizabeth Dodge.....Le Sueur, Minn.
Mrs. L. F. Dow.....St. Paul, Minn.
Felicia Druck.....St. Paul, Minn.
Theresa Elfenbein.....St. Paul, Minn.
Jean Ellerbe.....St. Paul, Minn.
Elizabeth Erickson.....Bemidji, Minn.
Lucile Farrell.....Warren, Minn.
Pearl Fox.....St. Paul, Minn.
Margaret Frantz.....St. Paul, Minn.
Victor Funk.....St. Paul, Minn.
Catherine Gates.....St. Paul, Minn.
Edith Gunderson.....Kenyon, Minn.
Lena Halvorson.....St. Paul, Minn.
Minda Haugen.....St. Paul, Minn.
Mrs. H. A. Hazlett.....St. Paul, Minn.
Margaret Horn.....St. Paul, Minn.
Louis Jacobi.....St. Paul, Minn.
Alta James.....St. Paul, Minn.
Walter Johnson.....Duluth, Minn.
Pearl Kaehler.....St. Charles, Minn.
Muriel Kingsley.....St. Paul, Minn.
Lucille Koch.....St. Paul, Minn.
Clara Levant.....Minneapolis, Minn.
Evelyn Lindsay.....St. Paul, Minn.
Mary Luckie.....St. Paul, Minn.
Laura Lynch.....Orr, N. D.
Ethel McClure.....Litchfield, Minn.
Jessie McClure.....Litchfield, Minn.
Edwin McQuillan.....St. Paul, Minn.
Herbert McQuillan.....St. Paul, Minn.
Cuyler McRae.....St. Paul, Minn.
Helen McRae.....St. Paul, Minn.

Mary McRae.....Lee, Mont.
Elsa Maney.....Minneapolis, Minn.
Lois Marvin.....Duluth, Minn.
Ruth Merryman.....Kerkhoven, Minn.
Dorothy Miles.....St. Paul, Minn.
Martha Ming.....St. Paul, Minn.
Gladys Mitchell.....St. Paul, Minn.
Gladys Moon.....St. Paul, Minn.
Ruth Moore.....Minneapolis, Minn.
Margaret Mount.....St. Paul, Minn.
Floyd Myhre.....St. Paul, Minn.
Ruth Nehrlich.....St. Paul, Minn.
Mr. A. E. Nelsen.....St. Paul, Minn.
Esther Neverman.....La Moure, N. D.
Iva Olson.....Minneapolis, Minn.
Grace O'Neale.....St. Paul, Minn.
Mildred Peabody.....St. Paul, Minn.
Harriet Pierpont.....Bruce, Wis.
Opal Plaisted.....Minneapolis, Minn.
Marion Potter.....Wahpeton, N. D.
Marion Reader.....Pipestone, Minn.
Mabel R. Reed.....St. Paul, Minn.
Mary Resnick.....St. Paul, Minn.
Marion Ringstad.....St. Paul, Minn.
Victor Roecker.....Grand Rapids, Minn.
Louise Routh.....St. Paul, Minn.
Evelyn Rumble.....St. Paul, Minn.
Ruth Schickler.....St. Paul, Minn.
Ruth Schriber.....St. Paul, Minn.
Ann Elizabeth Shell.....Wallowa, Ore.
Doris Sischo.....St. Paul, Minn.
Marion Sischo.....St. Paul, Minn.
Phoebe Sischo.....St. Paul, Minn.
Helen Sivertson.....Crookston, Minn.
Helen Slater.....Afton, Minn.
Edwin Sonntag.....St. Paul, Minn.
Alice Spencer.....St. Paul, Minn.
George Spencer.....St. Paul, Minn.
Helen Strachan.....Duluth, Minn.
Daniel Thomassian.....St. Paul, Minn.
Gladys Thompson.....St. Paul, Minn.

Clarinda Trandem.....St. Paul, Minn.
Elsa Treibel.....St. Paul, Minn.
Vera Utter.....St. Paul, Minn.
Mr. M. K. Vahan.....St. Paul, Minn.
Florence Van Bergen.....St. Paul, Minn.
Janet Vokoun.....St. Paul, Minn.
Ruth Wennerberg.....Stillwater, Minn.
Virginia Wherry.....St. Paul, Minn.
Martha Whitwell.....St. Paul, Minn.
Rachel Williams.....St. Paul, Minn.
Jessie Wright.....St. Paul, Minn.

Summary of Students

College	307
Conservatory of Music	84
Total	391
Counted Twice	30
Net, Total	361

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THE RANDALL COMPANY, SAINT PAUL

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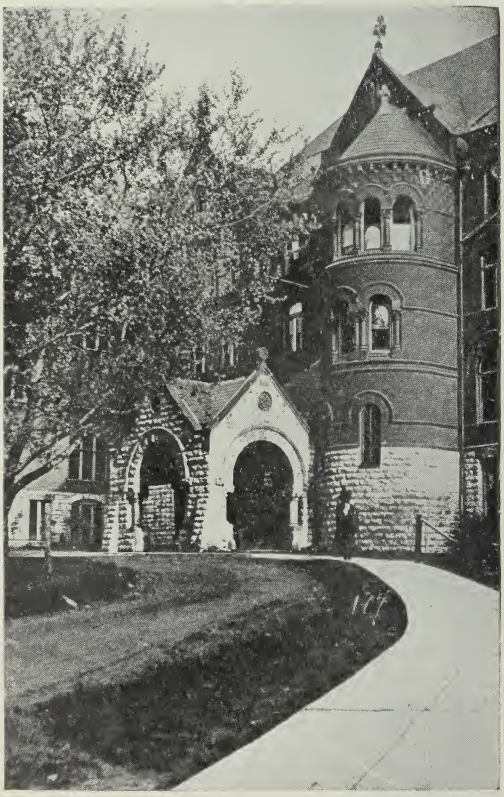
116/17

Macalester College Bulletin

Catalog Number
April, 1917

Volume V Number 3



ENTRANCE TO MAIN BUILDING

Catalog

Macalester College

1916 - 1917

Accredited by the North Central Association of Colleges and Secondary Schools.

Macalester College uses in its official publications a number of the reformed spellings recommended by the Simplified Spelling Board and now authorized by standard dictionaries.

SAINT PAUL, MINNESOTA

Entered April 29, 1905, at Saint Paul, Minn., as second class matter under Act of Congress July 16, 1894.

Issued Quarterly in October, January, April and June.

College Calendar

1917-1918

1917.

June 8. Friday, 8:15 p. m., Recital, Conservatory of Music.
June 9. Saturday, 8:15 p. m., Senior Class Play.
June 10. Sunday, 10:30 a. m., Baccalaureate Sermon.
June 11. Monday, 10:30 a. m., Extemporaneous Speaking Contest.
June 11. Monday, 3:00 p. m., Baseball Game.
June 11. Monday, 8:15 p. m., Senior Class Play.
June 12. Tuesday, 11:00 a. m., Class Day Exercises.
June 12. Tuesday, 1:30 p. m., Annual Meeting of Board of Trustees.
June 12. Tuesday, 2:30 p. m., Athletic Contests.
June 12. Tuesday, 7:00 p. m., Alumni Banquet.
June 13. Wednesday, 10:00 a. m., Twenty-eighth Annual Commencement.
June 13. Wednesday, 8:00 p. m., President's Reception.
Sept. 10-12. Monday-Wednesday, Registration Days.
Sept. 12. Wednesday, 10:30 a. m., First Semester begins.
Nov. 29-Dec. 1. Thursday-Saturday, Thanksgiving Recess.
Dec. 21. Friday, 4:20 p. m., Chirstmas Vacation begins.

1918.

Jan. 8. Tuesday, 8:00 a. m., Christmas Vacation ends.
Jan. 28-Feb. 2. Monday-Saturday, Second Semester Registration.
Feb. 2. Saturday, First Semester ends.
Feb. 5. Tuesday, Second Semester begins.
Feb. 12. Tuesday, Lincoln's Birthday.
Feb. 22. Friday, Washington's Birthday.
Mar. 27. Wednesday, 4:20 p. m., Spring Vacation begins.
April 4. Thursday, 8:00 a. m., Spring Vacation ends.
May 30. Thursday, Memorial Day.
June 12. Wednesday, Second Semester ends.

Administrative Officers

Address correspondence as follows:

T. MOREY HODGMAN, President of College.
Catalog, Information, Complaints, General Business.
Address all correspondence during summer vacation.

GLENN CLARK, Dean.
Curriculum, Student Activities and College Policies.

JOHN P. HALL, Registrar.
Grades, Credits, Entrance Requirements.

HARRY PHILLIPS, Director Conservatory of Music.
Catalog, Tuition, Entrance.

BISHOP H. SCHRIBER, Secretary and Attorney.
Records, Taxes, Litigation, Release of Mortgage.
Pioneer Building, St. Paul.

CHAS. E. MacKEAN, Treasurer.
Endicott Building, St. Paul.

RUFUS C. JEFFERSON, Chairman Finance Committee.
Endowment Investments.
Merchants National Bank Building, St. Paul.

JOHN T. HENDERSON, Field Secretary.

Board of Trustees

Officers of the Board

THOMAS SHAW.....President
R. C. JEFFERSON.....First Vice-President
G. D. DAYTON.....Second Vice-President
B. H. SCHRIBER.....Secretary
C. E. MACKEAN.....Treasurer
RICHARD E. STOWER.....Cashier and Accountant

Trustees

TERMS EXPIRE JUNE, 1917

THOMAS SHAW.....St. Paul
W. J. MCCABE.....Duluth
THOMAS B. JANNEY.....Minneapolis
.....
JOHN S. MCLAIN.....Minneapolis

TERMS EXPIRE JUNE, 1918

REV. H. C. SWEARINGEN, D. D.....St. Paul
E. B. KIRK.....St. Paul
REV. JOHN E. BUSHNELL, D. D.....Minneapolis
WATSON P. DAVIDSON.....St. Paul
P. L. HOWE.....Minneapolis

TERMS EXPIRE JUNE, 1919

B. H. SCHRIBER.....St. Paul
R. C. JEFFERSON.....St. Paul
GEORGE W. WISHARD.....Minneapolis
GEORGE D. DAYTON.....Minneapolis
.....

T. MOREY HODGMAN, ex-officio.....St. Paul

Committees of the Board

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B. H. SCHRIBER, Secretary
T. B. JANNEY
E. B. KIRK
R. C. JEFFERSON
H. C. SWEARINGEN
T. M. HODGMAN

Committee on Endowment

T. M. HODGMAN
GEORGE D. DAYTON
R. C. JEFFERSON
H. C. SWEARINGEN
THOMAS SHAW
G. W. WISHARD

Committee on Instruction

T. M. HODGMAN, ex-officio
H. C. SWEARINGEN
JOHN E. BUSHNELL
G. W. WISHARD
J. S. MCLAIN

Committee on Property

R. C. JEFFERSON
T. M. HODGMAN
B. H. SCHRIBER
E. B. KIRK

Finance Committee

R. C. JEFFERSON
T. M. HODGMAN
E. B. KIRK
B. H. SCHRIBER

Committee on Commencement

H. C. SWEARINGEN
B. H. SCHRIBER
T. M. HODGMAN

Budget Committee

P. L. HOWE
R. C. JEFFERSON
W. P. DAVIDSON
T. M. HODGMAN

College Faculty

THOMAS MOREY HODGMAN, A. M., LL. D., President,
Residence, 476 Ashland Avenue. N. W. Dale 2450.

JAMES WALLACE, Ph. D.,
Professor of Bible. Head Professor of Bible Training Department.
On the Frederick Weyerhaeuser Foundation.
Residence, 1641 Laurel Avenue. N. W. Midway 2178.

ANDREW WORK ANDERSON, A. M.,
Professor of Philosophy and Education.
On the O. A. Robertson Foundation.
Residence, 1658 Lincoln Avenue.

DAVID NEWTON KINGERY, A. M.,
Professor of Mathematics and Astronomy.
Faculty Director of Athletics.
Residence, 135 Amherst Street. N. W. Midway 4183

JULIA MacFARLANE JOHNSON, A. M.,
Dean of Women.
Professor of English Literature and Old English.
Residence, Wallace Hall. N. W. Midway 535.

HENRY DANIEL FUNK, A. M.,
Professor of History.
Residence, 195 Macalester Avenue. N. W. Midway 2129.

RICHARD URIAH JONES, A. M.,
Professor of Chemistry.
Residence, 1763 Princeton Avenue. N. W. Midway 1881.

HUGH STUART ALEXANDER, A. M.,
Professor of Physics and Geology.
Residence, 1596 Summit Avenue. N. W. Midway 1080.

JOHN PORTER HALL, A. B., Registrar,
Professor of Greek.
Residence, 1668 Princeton Avenue. N. W. Midway 3735.

GEORGE WILLIAM DAVIS, Ph. D., D. D.,
Professor of Social and Political Science. College Chaplain.
Residence, 2268 Blake Avenue. N. W. Midway 1152.

GLENN CLARK, A. M., Dean,
Professor of English.
Residence, 1787 Goodrich Avenue. N. W. Midway 1620.

FREDERICK JAMES MENGER, A. M.,
Head of the Department of Modern Languages,
Professor of German.
Residence, 1346 Grand Avenue. N. W. Midway 4301.

HAROLD OMER BURGESS, A. M.,
Professor of Latin Language and Literature.
Residence, 1745 Lincoln Avenue. N. W. Midway 2512.

HARRY DWIGHT WAGGONER, Ph. D.
Professor of Biology.
Residence, 1577 Ashland Avenue. N. W. Midway 7707.

FREDERIC GIBBS AXTELL, A. M.,
Librarian. Associate Professor of Bibliography.
Residence, 1270 Lincoln Avenue. N. W. Midway 1366.

GRACE BEE WHITRIDGE,
Adjunct Professor of Dramatic Art and English. Physical Director for Women.
Residence, 654 Hague Avenue. N. W. Dale 301.

FARQUHAR DAVID McRAE, Ph. D., D. D.,
Adjunct Professor of Apologetics and History. Student Pastor.
Residence, 41 Macalester Avenue. N. W. Midway 537.

DONALD LITTLEJOHN HALVERSON, A. B.,
Adjunct Professor of Romance Languages.
Residence, 1803 Lincoln Avenue. N. W. Midway 5880

RALPH WILLIAM THACKER, A. B.,
Adjunct Professor of Physical Training.
Residence, 1742 Portland Avenue. N. W. Midway 4394.

ESTHER ALLISON TIFFANY, A. B.,
Instructor in English.
Residence, 890 Goodrich Avenue. N. W. Dale 3397.

GERTRUDE CRIST,
Instructor in Bookkeeping and Accountancy.
Secretary to Faculty, President and Registrar.
Residence, 1230 Dayton Avenue. N. W. Dale 5906.

HALLIE CHALFANT, A. M.,
Instructor in German and Spanish.
Residence, 1814 Lincoln Avenue. N. W. Midway 6796.

CARL CRUMBIE WHEATON, A. B., LL. B.,
Instructor in History and Forensics.
Residence, 3133 First Avenue South, Minneapolis.
N. W. South 1318.

LOUISE DOSDALL, A. B.,
Fellow in Biology.
Residence, 1332 Dayton Avenue. N. W. Midway 4716

JENNIE STANLEY HODGMAN,
Lecturer in History of Fine Arts.

Student Tutors

LAJLA DALE ETHEL MCCLURE

Student Laboratory Assistants and Readers

J. ARTHUR LEWIS
PAUL WILLIAMS
JESSE C. HALES
T. E. WADDELOW
AMY L. LE VESCONTE
ANGUS TAYLOR
LAJLA DALE
ETHEL MCCLURE
EVELYN PAGE
FREMONT TAYLOR
DONALD AUGUSTINE
MARGARET HAMMOND
ETHELWYN HOPKINS
IRVING ROTH
WALLACE GIBSON

Assistant in Shop

LAURON H. LOVELACE

Assistant in Gymnasiam

LILLIAN HANSON

Committees of the Faculty

Rules and Discipline

GLENN CLARK JULIA M. JOHNSON R. U. JONES

Curriculum, Schedule and Excess Registration

F. J. MENGER R. U. JONES A. W. ANDERSON
GLENN CLARK H. O. BURGESS H. D. WAGGONER
H. D. FUNK

Library

F. G. AXTELL A. W. ANDERSON G. W. DAVIS
JAMES WALLACE

Publications and Public Exercises

GRACE B. WHITRIDGE J. P. HALL THE PRESIDENT
F. J. MENGER D. N. KINGERY

Athletics

D. N. KINGERY H. D. FUNK R. W. THACKER

Student Organizations and Activities

G. W. DAVIS F. D. MCRAE D. L. HALVERSON
JULIA M. JOHNSON H. S. ALEXANDER JAMES WALLACE
ESTHER TIFFANY

Buildings and Grounds

THE PRESIDENT GRACE B. WHITRIDGE D. L. HALVORSON

Graduate Activities

H. O. BURGESS H. D. WAGGONER H. S. ALEXANDER

Student Council

Glenn Clark	Grace B. Whitridge
A. J. Robertson	Senior Representative
Lajla Dale	Senior Representative
Milton Hebeisen	Senior Representative
Gertrude Simons	Senior Representative
Walter Lienke	Junior Representative
Alice Hough	Junior Representative
Gordon McLean	Sophomore Representative

Other Officials

Alice M. Clough	Housekeeper of Wallace Hall
A. W. Robertson	Steward of Edwards Hall
T. E. Waddelow	Steward of Euthenian Club
Samuel M. Cookman	Head Engineer
Olaf Christianson	Assistant Engineer Wallace Hall
Arthur Plante	Assistant Engineer Main Building
A. G. Schoonover	Head Janitor

College Representation

For year ending March 1, 1917.

Wooster University, Wooster, Ohio, May 10, 1916. Inauguration of Dr. Campbell White as President. Benj. B. Wallace, '02.

World's Court Congress, New York City, May 2, 1916. Rev. F. D. Scott.

Rutgers College, New Brunswick, N. J., Oct 13. One hundred and Fiftieth Anniversary. Rev. William Porter Lee, D. D., '89.

Fiftieth Anniversary of the Founding of Carleton College, Northfield, Minn., October 12. President Hodgman, Dean Johnson.

Inauguration of Prof. William C. Laube, A. M., D. D., '01, Professor of Homiletics, German Pres. Theol. Sem., Dubuque, Iowa. Prof. Albert Kuhn, '06.

Inauguration of Rev. Remsen D. Bird, B. D., Professor of Church History, San Francisco Theol. Sem., September 20, 1916. Dr. W. W. Cort.

Annual Meetings of Association of American Colleges and Presbyterian College Union, January 11-13, Chicago. Trustee J. S. McLain and President Hodgman.

General Information

Historical Sketch

Macalester College is the outgrowth of the Baldwin School of St. Paul, projected by Rev. Edward D. Neill, D. D., as far back as 1853; and of a similar institution opened in 1873 by the same gentleman in Minneapolis. In 1874 Charles Macalester, of Philadelphia, donated to this school the valuable property known as the Winslow House, near the Falls of St. Anthony, with the understanding that as soon as possible it should be developed into a college. In his honor the institution was named Macalester College. Until 1880 it was an undenominational school. In October of that year it was adopted by the Synod of the Presbyterian Church of Minnesota. In 1883 a syndicate of the trustees bought the present site and gave it to the Board of Trustees. The first building thereon was erected in 1884 and the college was opened September 15, 1885.

Rev. Dr. Neill, the founder of the college, was the first territorial superintendent of public instruction and the first chancellor of the State University. He is the author of Neill's History of Minnesota, and also of valuable monographs on colonial history. He died September 26, 1893.

From the beginning Macalester College was burdened with debt, and altho, under the leadership of President James Wallace and Rev. David C. Platter, financial secretary, this debt was considerably reduced, yet, on account of the hard times of the nineties, it had, by June, 1898, risen to $180,000. With the energetic assistance of Robert A. Kirk, Thomas Shaw and Rufus C. Jefferson, the board was reorganized, the debt liquidated, and efforts for a permanent endowment begun.

Dr. James Wallace resigned the presidency June, 1906, and in January, 1907, Thomas Morey Hodgman, A. M., professor in the University of Nebraska, was elected president. On July 1, 1911, the trustees certified that a total of $467,000 had been given; that of this total $307,000 was invested in endowment securities and $160,000 in Wallace Hall and Carnegie Science Hall.

Macalester College celebrated its quarter centennial June, 1910 with impressive ceremonies. By direction of the Board of Trustee and at the expense of the college, a History of Macalester College was published by Professor H. D. Funk.

The Trustees on June 9, 1914, completed a second endowment campaign for $250,000. Payments of pledges were completed by July 1, 1916. The college resources now total $970,000.

In accordance with the plan, adopted by the Board of Trustees, at the annual meeting in June, 1913, to discontinue the activities of a preparatory department, Baldwin School went out of existence in 1916.

Macalester College began as a school for men only, but in September, 1893, the Trustees made the institution coeducational.

Macalester College sets, for its ideal of efficiency, an endowment of $1,000,000, a plant of $500,000 and a maximum attendance of 500 students. Its most pressing needs are a gymnasium for men, a central heating and power plant, a library building and a chapel.

Presidents of Macalester College

Rev. Edward Duffield Neill,* D. D., 1873-1884.
Rev. Thomas A. McCurdy,* D. D., 1884-1890.
Rev. David James Burrell, D. D., 1890-1891.
Rev. Adam Weir Ringland, D. D., 1892-1894.
Prof. James Wallace, Ph. D.,
Acting President, 1894-1900; President 1900-1906.
Prof. Thomas Morey Hodgman, M. A., LL. D., February, 1907—.

Form of Bequest

The corporate name of the institution is Trustees of Macalester College.

Legal Form of Bequest.—I give and bequeath to the Trustees of Macalester College of St. Paul, Minnesota, duly incorporated under the laws of Minnesota, the sum of .....dollars.

Location

Macalester College is located in Macalester Park, St. Paul, a beautiful suburb in the so-called Midway district. The location is favorable for study, for the development of a pure and wholesome college life, and for careful supervision of the conduct of students.

*Deceased

GENERAL VIEW OF COLLEGE BUILDINGS

Men's Dormitory | Main Hall | Science Hall

Easy access to the Twin Cities is afforded by the Grand Avenue and Snelling Avenue electric lines—the latter of which connects with all four interurban lines. This combination of college and city life is a unique advantage to Macalester students. The cultural opportunities which the public libraries, churches, lecture courses and musical entertainments of these cities offer, are important and react most beneficially upon both faculty and students.

Campus

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue, a fine boulevard two hundred feet in width, which connects the Twin Cities. The College buildings, seven in number, are situated on the north half of the campus, while the ample athletic field, grove of oaks and ice skating rink occupy the southern half.

Buildings and Equipment

The Main Building is of brick, one hundred feet long and fifty feet wide, three stories high with basement, and contains class rooms, society halls, men's gymnasium, library, auditorium and executive office. The building is heated by steam and provided with its own electric light plant.

The Carnegie Science Hall, the gift of Mr. Andrew Carnegie, s a three-story building with a full height basement. It is essentially fireproof, being constructed of reinforced concrete and brick. The exterior is of colonial brick with trimmings of Bedford limestone. The floors are of maple over reinforced concrete except those of the halls which are of cement with terrazzo borders. The interior finish and furniture are of birch. The basement contains a wood shop and a metal shop for applied mechanics. The first floor is devoted to physics and mineralogy; the second to biology, mathematics and astronomy; and the third to chemistry. The entire building is electrically lighted and steam heated. Ventilation is of the most approved type. Pure air passes into the basement over steam coils and is driven thru the building by electric fans. In the attic another fan draws out the foul air. Electrical connections are provided in all of the lecture rooms for both direct and alternating currents for projection as well as for general demonstrations and lectures. Light is abundant and well directed. For its size and purpose this building has no superior.

Museum.—In the Science Hall is the Museum, small at present, but growing. The Lewis Collection of Indian relics is rare and valuable, as is also the Educational Collection of marine invertebrates and fishes contributed by the Smithsonian Institution, Washington, D. C. Friends are invited to keep in mind the importance of a museum in educational work.

The Men's Dormitory is a three-story brick building, ninety feet long by thirty-eight feet wide. The second and third floors contain twenty double rooms designed to accommodate two students each. This hall is for men exclusively. The building is heated by steam and lighted by electricity.

Wallace Hall is a dormitory for women, situated at the corner of Summit and Macalester avenues, and so arranged that sunlight falls into every room. In addition to the students' rooms there are elegant parlors, a dining room that seats one hundred, and a large gymnasium in the basement. The classes for the physical training of women are held here. It is heated by steam, lighted by electricity, has hot and cold water in every room, shower and tub bath facilities. It accommodates eighty students. The whole building has every modern appointment and is absolutely fireproof. It is believed that no building of its kind west of Chicago can approach it or be compared with it in plan and equipment. Choice of rooms will be given in order of application.

Edwards Hall is a substantial three-story commons for men, on Macalester Avenue, one block south of the college. It is named after W. C. Edwards, of St. Paul, thru whose liberality it was erected. It sets tables for seventy-five. The students in this building form a club and manage the boarding department under a matron and other officers of their own choice, subject to the general supervision of the faculty.

Taylor Cottage, named in memory of H. Knox Taylor, a trustee and treasurer, is a frame building used at present as a professor's residence.

Euthenian Hall, 104 Snelling Avenue, S., is a residence leased by a club of men and has dining room facilities for twenty-five.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus.

used as a practice hall by the School of Music. It contains sixteen rooms, heated by steam and lighted by gas.

Heat, Light and Power Plant.—A central plant containing two boilers, an engine and a dynamo, supplies the Main Building, the Men's Dormitory and the Science Hall with steam heat, electric light and power.

Shaw Field.—Provision for the encouragement and development of outdoor athletics has been made by the construction of the Thomas Shaw Athletic Field. This contains four acres of the campus lying directly south of the main building and is enclosed by an iron fence. A quarter-mile track, twelve feet wide, with turns on a hundred-foot radius, is one of the important features of the field. This track is on a dead level and has a foundation of coarse cinders five inches deep, on top of which is a layer of fine surfacing cinders two inches deep. The part of the field enclosed by the track is laid out as a football and baseball field and also provides room for an outdoor basketball field. The whole area within the track is perfectly level and, with the exception of the diamond, is seeded down with a special mixture of lawn grass seed which will stand the rough usage athletic fields naturally receive.

The track in front of the bleachers has straight extensions at the corners which provide a straightaway track for all the short races, while just inside the curb the proper settings are provided for the pole vault, the running broad jump and the discus throw.

A community toboggan slide, at the south end of the field, was built and presented the past winter by residents of Macalester Park.

Shaw field, which was dedicated at the opening of the school year in 1909, was named in honor of Professor Thomas Shaw, President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

The college buildings with their furnishings, laboratory equipment, library, together with the campus, are conservatively valued at $383,197.

Library

The Library contains about fifteen thousand five hundred volumes. The working collection is located on the third floor of the Main Building; less used books are on other floors. For greater security the Neill collection has been placed in the museum room in Science Hall; in this building also are department collections.

The Neill collection includes rare works in Puritan and Colonial history and theology, and in early American travels, together with

examples of fifteenth and sixteenth century printing and valuable autograph letters.

The Dewey system of classification is used.

For maintenance of the Library there is set apart each semester two dollars and fifty cents of every tuition fee.

Henry L. Moss, a former trustee of the college, at his death in 1902, left his property for the support of the Library, subject to life use by Mrs. Moss. The income from this bequest is at present four hundred dollars.

The alcove of economics receives twenty-five dollars annually from Mr. F. A. Hodgman, of New York City, in memory of his mother, Mary Hurlbut Hodgman.

Annual gifts or permanent funds are desired for other alcoves.

The Library is open as follows: Monday to Friday, from eight until five o'clock; Saturday, eight to twelve, and one-thirty to five o'clock; holidays, nine to twelve, and one-thirty to five o'clock.

The following periodicals are on file in the Library or in the department libraries:—

Advocate of Peace.
American Economic Review.
American Historical Review.
American Journal of Archaeology.
American Journal of Sociology.
American Mathematical Monthly.
American Naturalist.
American Political Science Review.
Annals of the American Academy of Political and Social Science.
Assembly Herald.
Association Men.
Art and Archaeology.
Association Monthly.
Atlantic Monthly.
Bible Champion.
Bible Society Record.
Biblical Review.
Bird Lore.
Bookman.
Century Magazine.
Chemical Abstracts.
Christian Endeavor World.
Classical Journal.
Contemporary Review.
Continent.
Country Life in America.
Crisis.
Current Opinion.
Dial.
Education.
Educational Review.
English Journal.
Etude.
Expository Times.
Forum.
Harper's Magazine.
Herald and Presbyter.
Hibbert Journal.
Home Mission Monthly.
House Beautiful.
Independent.
Industrial Arts Magazine.
International Review of Missions.
Journal of American Chemical Society.
Journal of Educational Psychology.
Journal of Geology.
Journal of Home Economics.
Journal of Industrial Chemistry.
Journal of Political Economy.
Literary Digest.
Living Age.
London, Edinburgh and Dublin Philosophical Magazine.
Missionary Review of the World.
Mississippi Valley Historical Review.
Modern Language Journal.
Musician.
Musical Quarterly.
Nation.
National Geographic Magazine.
New Republic.
New York Times.
North American Review.
Outlook.
Philippine Presbyterian.
Political Science Quarterly.
Popular Astronomy.
Popular Mechanics.
Proceedings of the Academy of Political Science in the City of New York.
Progress.

Publications of the Modern Language Association of America.
Quarterly Journal of Economics.
Range News.
Reader's Guide to Periodical Literature.
Record of Christian Work.
Religious Education.
Review of Reviews.
St. Paul Pioneer Press.
School and Society.
School Review.
School Science and Mathematics.
Science.
Scientific American.
Scientific American Supplement.
Scientific Monthly.
Scribner's Magazine.
Sunday School Times.
Sunday School World.
Survey.
Woman's Work.
World's Work.
Yale Alumni Weekly.
Yale Review.

Administration

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to guard well their honor and that of the institution, and to maintain a wholesome esprit de corps.

Some regulations, however, are necessary, and when students matriculate it is understood that they thereby submit themselves to the government of the college and pledge themselves to support the same while they are members of the institution. They are expected, and, by virtue of their matriculation as students of the institution, are understood to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, daily morning prayers, and Sunday morning service, and to be diligent in preparation of all tasks assigned.

Parents and prospective students should note that no fraternities are permitted, no smoking on the campus or in any of the college buildings by faculty, employees or students and no dancing engaged in by both men and women at any college function. It is from no Puritanic attitude nor from any desire to be peculiar that the college makes these prohibitions. They are enforced rigidly because scholarship and the best interests of the student body are subserved thereby.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

The dormitories are organized on the self-government plan under adequate faculty cooperation. A Student Council, composed of student and faculty representatives, voices student opinion and cultivates student self-control.

Registration

Students are required to register by the beginning of each semester. In case of delay in registration beyond the registration days indicated in the college calendar, a fine of one dollar will be imposed for the first day and fifty cents for each subsequent day.

No excuses will be granted for late registration. Students may register by mail on deposit of tuition fee.

No student is permitted to register after the fourth Monday of the semester.

Students registering later than the second Monday of the semester are required to secure permission from the heads of the departments in their respective courses.

The student who has failed in more than half the work of the first semester, counted by hours, may not register for the second semester.

The prospective student will facilitate registration by procuring from the college an application blank on which his principal or superintendent should fill in the student's credits. This blank should be mailed by the proper school authority to the Registrar by the first of September.

Examinations and Reports

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the close of each semester.

Students who fail in term grade or in both the regular and condition examinations, must take the subject again in class to secure credit.

For private and condition examinations a fee of fifty cents shall be paid for each examination to the Secretary of the Faculty, who shall thereupon issue a permit. Private examinations will be authorized by the faculty only, and for the most urgent reasons stated in writing.

Examinations for removal of conditions will be held on the second Monday after the first Wednesday of each semester at 2:20 p. m. Attendance upon these examinations is obligatory.

Degrees

Graduates from the liberal arts course receive the degree of Bachelor of Arts, those from the science course the degree of Bachelor of Science. The degree of Bachelor of Music is granted to students who fulfill the requirements for such degree in the Conservatory of Music.

No student shall be entitled to graduate who shall not have been attending the college at least one year.

Fellowships

The Board of Trustees has offered a limited number of fellowships open to graduates of other approved colleges and carrying a yearly stipend of $300. The holders are required to devote

one-half of their time to assistance in the department offering the fellowship and the other half to graduate study in the University of Minnesota.

Prizes and Scholarships

Noyes Prize.—Mrs. D. R. Noyes has given $2,000, the interest on which is used as prizes for student scholarship. Last year the senior prize was awarded to Margaret Douglass Downing, the junior to Charles Gerlinger and the sophomore to Ruth Ludlow Moore.

Stringer Prize.—In honor of the memory of Mr. E. C. Stringer, the college is able to offer an annual prize of twenty-five dollars, to be given to that student of the college, who, having not fewer than fourteen recitations a week, takes the first place in the preliminary oratorical contest, and represents the college in the state contest. Awarded last year to G. R. Collins and Irving J. Roth.

Debate Prize.—Mr. Walter L. Mayo, of St. Paul, offers a prize of thirty dollars, to be distributed to the six students who win positions on the state intercollegiate teams. The winners last year were G. R. Collins, Irving Roth, Charles Gerlinger, Wallace Gibson, Walter Lienke and John E. Cecil.

Macalester-Hamline Senior Prize in Oratory.—One hundred dollars in prizes is distributed among the winning contestants in an annual dual oratorical contest between the senior classes of Hamline and Macalester College. The first prize consists of fifty dollars, the second of twenty-five dollars and the third of ten dollars and three, of five dollars each. The contest in 1916-17 was won by Oscar L. Black of Macalester. Messrs. W. J. Dean and C. W. Ames of St. Paul last year gave Macalester's share of these prizes.

Temperance Oratorical Prize.—Each year twenty-five dollars is given by The Board of Temperance to be divided in prizes of fifteen and ten dollars for the best orations on some phase of the temperance question.

Shaw Scholarship.—Given by Professor Thomas Shaw, of St. Paul, to the nominee of the Central Presbyterian Church, of St. Paul, yielding $50 per annum. Awarded this year to Berthold Hensel.

Silliman Scholarship.—Offered by Mr. H. B. Silliman, of Cohoes, N. Y., and yielding $50 per annum. Awarded this year to Erling Eriksen.

Williams Brothers Scholarship.—Louis H. and Charles R. Williams, of Minneapolis, have given $1,000, the income from which is for the aid of a student selected by the faculty. Held this year by Esperanza Reina.

Webb Scholarship.—Mr. E. A. Webb, deceased, gave $1,000, the interest of which is to aid a candidate from the Central Presbyterian Church, St. Paul.

Winona Scholarship.—The First Presbyterian Church has given $1,000, the interest of which is to aid a candidate nominated by this church.

Biology Scholarship.—Dr. Archibald MacLaren, of St. Paul, contributes $50 to aid a student in the department of biology, to be selected by the head of this department. Held this year by Ethelwyn Hopkins.

New England Scholarship.—The St. Paul Colony of New England women gives this year $60 to a young woman of New England parentage. Held this year by Clara Robinson.

Scott Scholarship.—Mr. William H. Scott, of Philadelphia, gives $60 for a scholarship awarded by the faculty. Held this year by Fremont D. Taylor.

Paul Scholarship.—Mr. J. Rodman Paul, of Philadelphia, gives $60 annually for a scholarship awarded by the faculty. Held this year by Esther Sundfelt.

McLain Journalism Scholarship.—Mr. J. S. McLain offers a prize of $50 for the encouragement of high class English work on the Mac Weekly. Awarded this year to G. R. Collins.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry.

Honorary Scholarships of $50 each are offered to the first ranking student among the young men and also among the young women in each graduating class of an accredited four-year high school, provided that the superintendent certifies that such students are of honor grade.

Rhodes Scholarships.—"In order to keep this well known bequest before the minds of present or prospective students it is briefly mentioned. Circulars of full information can be obtained at the president's office. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sopho-

more year of study, may be a candidate for one of the Minnesota scholarships. This insures to the winning contestants a three years' residence in Oxford University, England."

Loan Fund.—A loan fund of one thousand dollars has been completed by the Faculty Women's Club. This fund is now being used as a loan for short periods, without interest, preferably, to junior and senior women students.

Student Activities

The Y. M. C. A. has a membership of about seventy students. It holds its regular meeting every Tuesday morning and evening. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students. The president of this association is Charles Gerlinger.

The Y. W. C. A. has this year a membership of about seventy-five. Its regular meeting is held every Tuesday morning. There is also a flourishing mission-study class. The president of the association is Alice Hough.

Literary Societies.—In the college there are five literary societies under the general oversight of the faculty. The Hyperion society admits to membership both men and women; the Athenaean and Eulogian societies admit men, and the Clionian and Philotian societies, women.

In the Music School, the Euterpean society is open to music students.

No literary society or other student organization may be established without the consent of the faculty.

Debate and Oratory.—All matters pertaining to debate and oratory are under the charge of the Forensic Board. This Board is composed of one representative from each literary society, one from each class and three representatives from the faculty.

The college takes part in four intercollegiate oratorical contests. Of these, three are state contests; the State Intercollegiate, the State Temperance and the State Peace Oratorical Contests. The other is the Hamline-Macalester Senior Oratorical Contest. A preliminary home contest is held for each of these contests, making four home contests, for which suitable prizes are offered. Macalester's representative this year in the State Intercollegiate, was Charles Gerlinger. The representatives in the Macalester-Hamline Senior Oratorical contest were Oscar L. Black, Charles Gerlinger, and Swan W. Mattson.

The college takes part in three debates this year, meeting Hamline, Coe and St. Olaf. The following men made up the squad from which the teams have been selected: Charles Gerlinger, Walter Lienke, Frank Holmes, G. A. Jensen, O. L. Black and N. E. Nygaard. The Freshman-Sophomore Annual Debate for the loving cup provided by the Forensic Board was won this year by the Sophomore class.

College Band.—Walter Lienke, leader.

College Glee Club.—Wallace S. Hall, leader.

Women's Glee Club.—H. E. Phillips, leader.

Education Club.—This is an organization of students interested in the advancement of pedagogical training and knowledge. The club meets on the first and third Monday evenings of each month. All college students are eligible to membership.

The M Club is an organization founded principally to keep those who have won the letter in touch with each other and to foster athletics.

The club was organized Dec. 3, 1913. When a Macalester student has earned an M he becomes a member on payment of one dollar initiation fee. No annual dues are paid while the student is in school.

Meetings are held about once a month when dinner is served and toasts are given by faculty members, alumni and coaches.

During the business meeting which follows, questions concerning athletics are brought up. The club does everything in its power, in keeping with the spirit of the school, to promote athletics and attract students from the surrounding territory.

Anyone who desires information concerning the college may write to the officers mentioned below, or to any M man whom he knows and the information will be given.

President, D. S. Doty, 1708 Marshall Ave., St. Paul.

Secretary and Treasurer, R. E. Greig, Macalester College, St. Paul

The Honor Scholarship Society

The society was organized in 1914 with twenty charter members. The aim of the society is to stimulate scholarship and intellectual interests in the college. It regards scholarship, intellectual leadership, originality and character as the requisites for eligibility to membership.

The society is now composed of twenty-six active members; five unconditioned sophomores and twenty-one juniors and seniors. New members are elected by the faculty at the beginning of October

in each year. The eligible list for new members is composed of students having an average standing of at least B and having a standing in college of at least sophomores without condition. Half of the new members selected from this list are chosen on the basis of scholarship as shown by the registrar's records. The remainder are chosen from this list by ballot of the faculty. After these are chosen, a new list may be made, including students not otherwise eligible, by a three-fourths' vote of the faculty, and from this list not to exceed two more may be elected by ballot. At the close of the school year the faculty may add to the membership of the society members of the graduating class who may have exceptionally fine records through their senior year.

At graduation, active members become graduate members of the society, and are entitled to all its privileges except voting. Members of the faculty are honorary members of the society. There are at the present time nineteen graduate members. By action of the faculty just before commencement last June, the name of Arthur G. Adams was added to the roll of the society under the rule above stated regarding seniors about to be graduated.

The society has an active member's pin of silver, which is presented to each new member at the recognition exercises when he enters the society, and a graduate member's pin of gold, which is presented to graduating members at, or just preceding, the commencement.

The officers of the society are: President, Charles Gerlinger; Vice-president, Ethel Marie McClure; Secretary, Gladys Reutiman,

The Executive Committee of the society is composed of the officers named above with Professors Alexander and Johnson.

The list of active members is as follows:

Wylie Gustave Akenson
Donald Leslie Augustine
Ella Isabelle Clapp
Lajla Marie Dale
Walfred Danielson
Alice Muriel Everts
Charles Gerlinger
Roy Alfred Greig
Estelle Hammerlun
Charlotte Hawley
Victor A. Heed
Frank Orville Holmes
Esther Jerabek
Merle Constance Johnson
Walter August Lienke
Ethel Marie McClure
Helen Willina McRae
Ernst Gustav Norstrum
Evelyn Bradbury Page
Gladys Harriett Reutiman
Joseph Howard Rhoads
Irving John Roth
Myrtle Dorothy Steen
Helen Strachan
Fremont David Taylor
Miriam Winifred Wallace

Religious Life and Exercises

Macalester was founded as a Christian college. The atmosphere of the college has always been warmly religious. The Young Men's and Young Women's Christian Associations are large and active. The city offers much opportunity for religious work. In keeping with the purpose of the founders of the college the faculty makes the following requirements:—(1) all students registering for more than five hours a week in college studies are required to include the equivalent of at least one hour a week of Bible study for the year; (2) attendance at the daily chapel exercises of the college at ten o'clock in the morning is required of all college students without exception; (3) attendance at Sunday morning church services is expected of all students and required of all who are not living at home with their parents. Presbyterian students, not living at home, are expected to attend the Macalester Presbyterian Church. Students connected with other churches either by membership or sympathies are excused to attend the church of their preference.

The Macalester Church has initiated a system of affiliated memberships, by which the student who wishes may retain his membership with his home church while at the same time coming into such relation with the local church at the college that he may feel that he has here a church home and center for his religious life. Students are urged to take advantage of this offered affiliation.

Physical Training and Athletics

Athletics and careful physical training are encouraged, and three dollars of the tuition fee for each semester are set apart for the support of athletics. Students are thereby entitled to admittance to all athletic contests and to the use of the gymnasium, toboggan slide and skating rink. The athletic field is enclosed, and contains about four acres. There are a number of lawn tennis courts. A large skating rink has been provided in the midst of the oak grove at the south of the campus, and has been very popular. Trained coaches are provided for field sports.

Class work in physical training is required of all men of the freshman and sophomore years.

Classes in physical training are conducted for young women in the gymnasium of Wallace Hall. Attendance is required of freshmen.

A course in personal hygiene is required of all freshmen. On completion of two years' physical training one credit is given for this course.

Teachers' Bureau

The college maintains a reliable teachers' bureau as a means of communication between graduates and superintendents and school boards desiring competent teachers. Graduates will not be recommended to positions for which they do not give good evidence of fitness. This service is given without charge. Those desiring to make inquiry in regard to teachers should address The Teachers' Bureau, Macalester College, St. Paul, Minnesota.

Publications

The following publications are issued from the college:—

The College Catalog, which is one number of **The Macalester College Bulletin,** a quarterly paper devoted to the advertisement and advancement of the institution.

The Mac, a triennial publication devoted to college interests, published by the college students.

The Macalester Weekly is a student publication established in 1914. It gives expression to student opinion upon matters of college life, and gives complete accounts of all college events. The editor-in-chief is Irving J. Roth.

Expenses

Students' fees are paid at the beginning of each semester, before completion of registration and strictly in advance, as follows:—

Tuition, regular student	$37.50
Special student (not more than eight hours)	20.00
Special student (not more than five hours)	12.00

One dollar of the tuition for the first semester is applied on the salary of special coaches.

Special fees—

Biology	$1.50 or 3.00
*Chemistry	5.00
Physics	3.00
Geology	1.00
Applied Mechanics	4.00
Homemaking	1.00
Mechanical Drawing	.50
Locker, annual fee	1.00
Diploma	5.00
Men's guarantee fee	1.00

*This is a deposit fund. The actual fee charged will be based upon the cost of material.

No deductions are made except for sickness lasting a month or more.

Credits are withheld until all obligations are met.

From tuition fees the trustees, on recommendation of the faculty and students, appropriate the following amounts: athletics, $3; library, $2.50; band, orchestra, debate and oratory, 50 cents; "The Mac," 50 cents; "Mac Weekly," 75 cents.

Refunding Tuition.—If a student leaves the institution at any time after entrance without the approval of the faculty or because he has been suspended or dismissed, no money is refunded. Those withdrawing for other reasons, on or before the middle of a semester, will be allowed an equitable percentage on tuition paid.

Special Rates

1. Sons and daughters of ministers of any denomination are allowed a rebate of eight dollars each semester on tuition.

2. All candidates for the ministry, of whatever church or denomination, are allowed a rebate of eight dollars each semester on tuition upon the following conditions:—

(1) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the treasurer certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(2) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated, in the event of their abandoning their purpose to enter the ministry.

The above concession, tho made at a great sacrifice to the college, is offered cheerfully, with the purpose of enhancing, as far as possible, the usefulness of the college. It is, however, justly expected of those who are thus helped that they will be faithful in promoting, as far as possible, the welfare of the institution and that they will complete their course of study at this institution.

3. When more than one person from the same family attend college at the same time a rebate of $4 on tuition fee will be allowed to each person after the first. This rule does not apply to those receiving other privileges or rebates.

Rooms and Board

Room rents for all college buildings and board at Wallace Hall are to be paid in advance each month of twenty-eight days.

Wallace Hall for Women
Board per week, each person.....$4.50
Room rent per week, each person.....$1.50 to 2.00

The trustees reserve the right, in view of possible fluctuations in cost of supplies, at the end of the first semester to raise or lower the charge for board.

Men's Dormitory
Room rent per week—corner rooms, with care.....$1.25
Room rent per week—inner rooms, with care.....1.00
For each person.

All rooms have two occupants and the rentals include light and heat.
Men students board at Edwards and Euthenian clubs, or in private families. Board costs on an average fifty cents a day or $3.50 to $4.00 a week. Rooms in private families per month, $6.00 and up.

Occupants of dormitory rooms are held responsible for their rooms for the semester unless obliged to withdraw from college.

Each student in the college dormitories is required to deposit $2.50 (including deposit for key) as a guarantee against damage to college property, and to make it up to that amount at the opening of each semester thereafter. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done in dormitories by unknown hands. The surplus, if any, is refunded to the students at the end of the year, or when they leave the dormitory.

Rooms

(1) **Furniture.**—All rooms in men's dormitories are furnished with bedsteads (two-thirds size), mattresses, pillows, dresser stand, bowl and pitcher, study table, book shelves and three chairs. The toilet room lavatory is supplied with hot and cold water. Students in the dormitories must provide their own bed clothing, towels, and carpets or rugs. A woman is employed to keep these rooms in order. In Wallace Hall there are single iron beds, mattresses, pillows, dresser, study table, two rockers, two study chairs, a lavatory with hot and cold water, steam heat and electricity. Floors are of hardwood.

(2) **Application.**—Application for room in the dormitories should be made as early as convenient to the President. Reservation in Wallace Hall is $3; in men's dormitory, $1. This applies on first month's rent. Rooms will not be held later than the opening of the term unless the room rent is advanced for the period of delay. In case applicants fail to come, the money advanced will not be returned. Rooms will be assigned in the order of application.

No deduction is made for vacations during school year. Students are charged for their rooms till they are formally vacated—whether continuously occupied or not—and keys surrendered.

Each dormitory tenant is held responsible for the rent for the entire semester. A student may shift this responsibility by securing a new tenant not occupying dormitory quarters, but is relieved from the obligation only on withdrawal from the college for good reasons.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Students who are in arrears at the end of any semester will be refused credits for the semester's work until all bills incurred by them have been paid; also future registration will be denied and no class work allowed until settlement satisfactory to the treasurer has been made.

Self-Support

Students desiring to do something toward defraying their own expenses can usually find some way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way thru college, provided the summer vacation is improved to increase his income.

The Y. M. C. A. employment bureau has been organized to assist students in finding work. There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the new-comer is cheerfully made. Address all communications to Chairman Employment Committee, Macalester College, St. Paul.

Telephone

The college may be reached by the Northwestern telephone, Midway 486; The President's residence, Dale 2450; Wallace Hall, Midway 535; Men's dormitory, Midway 320; Edwards Hall, Midway 6799; Euthenian Hall, Midway 1259; Head Janitor, Midway 4414; Conservatory of Music, Midway 2656.

College of Liberal Arts

The *men of experiment* are like ants—they only collect and use.

The *reasoners* resemble spiders, who make cobwebs out of their own substance.

But the bee takes a middle course; it gathers the material from the flowers, but digests it by a power of its own.

So *true philosophy* neither chiefly relies on the powers of the mind, nor takes the matter which it gathers and lays it up in the memory, whole as it finds it, but lays it up in the understanding, to be transformed and digested. —*Francis Bacon.*

Entrance Requirements

General Statement

The satisfactory completion of fifteen units of properly coordinated work is required for admission to the freshman class of the college. The following units are required: three in English and two in mathematics. Not more than four units in vocational subjects (including Agriculture, Commercial Work, Domestic Science and Manual Arts) may be presented. It is strongly recommended that the student submit two or more units of consecutive work in some foreign language. By a unit is meant four or five recitation periods a week in a subject, carried thruout a year of thirty-six weeks. The recitation periods must be of not less than forty minutes in length.

Admission by Certificate

From Accredited High Schools and Academies.—Graduates of accredited high schools and academies requiring a four-year course are admitted without condition to the freshman class, subject to the requirement of the preceding paragraph. Accredited schools are those on the list of the North Central Association of Colleges and Secondary Schools, the list of Minnesota high schools prepared by the State Superintendent and similar lists of the high schools of other states.

Applicants for admission to the freshman class should apply to the Registrar for the Applicant's Admission Blank, which should be filled out by the principal of the high school or academy in which their courses were taken, and mailed by him to the Registrar, by the first of September.

From Unaccredited High Schools and Academies.—Graduates of such schools should secure the Applicant's Blank from the Registrar of the college, and have it filled out and sent to the Registrar as in the case of Accredited Schools. The credits will then be evaluated by the Matriculation Committee of the College and if satisfactory the student will be admitted.

Registration with Conditions.—A student submitting thirteen and a half units will be admitted as freshman, conditioned, and may make up deficiencies in certain courses.

Admission by Examination

Students not presenting certificates as provided for above must present a course of study equal to a four-year high school course. Such students will be examined in the course presented by them and will be admitted to freshman standing on passing the examination satisfactorily. These examinations will be given on the Monday and Tuesday preceding the opening of the college in September.

Suggestions to Students Preparing for Macalester College

The following suggestions respecting high school courses are not mandatory, but may be of value to future college students, now in high school or academy.

Suggested Units.—Students expecting to study for the B. A. degree are advised to present the following units for entrance:

English 4
Latin 4
Modern Language 2
Algebra 1½ or 1
Geometry 1½ or 1

The remaining units may be selected from the following:

History 1 or 2
German 2
Greek 2
French 2
Chemistry 1
Botany ½ or 1
Physics 1
Civics ½
Physiology ½ or 1
Zoology ½ or 1
Physical Geography ½ or 1
Manual Training ½ or 1

Students intending to study for the B. S. degree are advised to present the following ten units:

English 4
German or French 2
Chemistry or Physics 1
Algebra 1½
Geometry 1½

The remaining five units may be selected from the following:

Chemistry (if not above) 1
Botany ½ or 1
History ½, 1 or 1½
Zoology ½
French 1 or 2
Manual Training ½
Physics (if not above) 1
Physiology ½
Greek 1 or 2
Physical Geography ½ or 1
German 1 or 2
Civics ½

Suggested Courses of High School Study.—The following courses of study are suggested to students now in high schools who are preparing for entrance to Macalester College. Courses such as these will furnish substantial preparation for the work of the college and will articulate well with its courses:

For the B. A. Degree	For the B. S. Degree
Composition and Rhetoric 2 units	Composition and Rhetoric 2 units
Literature 2 units	Literature 2 units
Algebra 1 or 1½ unit	Algebra 1½ unit
Geometry 1 or 1½ unit	Geometry 1½ unit
Latin 4 units	Latin 2 units
Greek or German 2 units	German 2 units
History and Civics 2 units	History and Civics 2 units
Natural Science 2 units	Natural Science 2 or 3 units

Admission with Advanced Standing

From Other Colleges.—Students coming from reputable institutions of collegiate grade should present letters of dismissal and are then given standing in Macalester College, allowing a fair equivalent on the course here for work done elsewhere.

From Normal Schools.—Credits from Normal Schools are to be reckoned according to the nature and quality of the work presented as judged by the Registration Committee. This committee consists of the Registrar and the Dean.

From High Schools and Academies.—Ordinarily, no credit will be allowed on the college course for excess units of work done in the high school or academy. A student asking for such credit should note the following conditions:—

(1) No credit will be allowed except for an excess beyond seventeen units of high school or academy work.

(2) No credit will be allowed except after an examination by the college instructors to whose departments the subjects belong.

(3) In no case will credit be given for more than half the time which the subjects consumed in the preparatory school course.

(4) The Matriculation Committee will decide which of the student's excess units may be submitted for college credit.

All credits from other institutions, for which the student wishes credit in this institution, must be presented at the time of registration. Credits presented later from other institutions will not be considered.

Courses of Study

The College of Liberal Arts embraces the following general courses:—

1. The Liberal Arts Course, leading to the degree of Bachelor of Arts.
2. The Science Course, leading to the degree of Bachelor of Science.

On entrance, the student makes choice of one of the above courses. Thereafter, deviation from the course chosen must be with the approval of the faculty upon written application, stating reasons.

Requirements for Graduation

Number of Credits.—One hundred and twenty-seven credits are required for graduation in either of the above courses.

The term credit in the following pages means one hour a week for one semester in class room, or its equivalent in laboratory.

Credits Required in All Courses.—The following credits are required both for the B. A. and the B. S. degree:—

(1) 7 credits in Religious Education and Mental Science 2.
9 credits selected from Greek 9 and History 3, Mental Science 11 and Religious Education.
At least two credits must be secured each year.
(2) 6 credits in English 1.
(3) 6 credits in Social and Political Science and History.
(4) 3 credits in Mental Science 1.
(5) 1 credit in Personal Hygiene.
32 credits required of all.

Credits Required for the B. A. Degree.—For the B. A. degree, the following credits in addition to the above are required:

(1) Six years of foreign language, four of which may be secured in the high school or academy. Four years of this requirement must be in one language, two in another. One year of a language may not be counted for the six here required. If the student's major be in Group I, two of the six years must be Latin or Greek.

(2) 12 credits in science.

Credits Required for the B. S. Degree.—In addition to the requirements in all courses, the following credits are required for the B. S. degree.

(1) 8 credits in Mathematics 1 and 2.

(2) Two years of a modern language in the college course, unless student presents three units of a modern language, or two units of a modern language and two units of another foreign language from high school or academy.

(3) In addition to the major, the student must have eighteen credits from two departments of science.

Honor Points.—In addition to the one hundred and twenty-seven credits mentioned above, an equal number of honor points is required. These are granted as follows: for each credit toward graduation earned by the student with a mark of A, three honor points are given; for each credit with a mark of B, two honor points; for each credit with a mark of C, one honor point. A mark of D carries with it no honor points.

This system of honor points goes into effect with September, 1917. For students in attendance previously to that date, the honor points required are equal in number to the credits still to be earned for graduation.

Courses for the Freshman Year.—The required courses for the freshman year are:—

For the B. A. Degree

Religious Education 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
One subject from Group III.
Personal Hygiene

For the B. S. Degree

Religious Education 1, 2 hours (first semester)
English 1, 3 hours
Latin, Greek, French or German (to complete requirements above), 4 hours
Mathematics
One Subject from Group III.
Personal Hygiene

The elective courses for the freshman year are:—

Religious Education 1 (second semester)
Biology 1, 2
Chemistry 1, 2, 3
Expression 1
Foreign Language
History 1, 5, 6
Mathematics 1a, 1, 2, 9
Music
Applied Mechanics 1

Religious Education 1 (second semester)
Biology 1, 2
Chemistry 1, 2, 3
Expression 1
Foreign Language
History 1, 5, 6
Mathematics 9

Applied Mechanics 1

Language requirement must be completed if possible by the end of sophomore year.

Science requirements in the B. A. course must be completed by the end of the junior year.

History and social science requirements must be completed by end of junior year.

Majors and Minors.—Each student who is working for a degree must elect at the beginning of the junior year, under restrictions stated below, one major and two minors from the fourteen following departments:—

GROUP I.

1. Latin
2. Greek
3. German
4. Romance Languages
5. English

GROUP II.

1. Religious Education
2. Philosophy and Education
3. Social and Political Science
4. History
5. Music (major only.)

GROUP III.

1. Chemistry
2. Physics (including Applied Mechanics 2 for major)
3. Biology
4. Mathematics

Terms Defined.—A *major* consists of twenty credits obtained in one department.

A *minor* consists of twelve credits obtained in one department.

Restrictions on Choice.—

(1) For the B. A. degree, the major must be selected from Group I or Group II. For the B. S. degree, the major must be chosen from Group III.

(2) At least one of the minors must be in a different group from the major. The minors are subject to the approval of the student's adviser.

(3) The following courses are not counted toward a major or minor:—Bible 1 (first semester) and 2, Chemistry 1 and 10, English 1.

French 1-2, German 1-2, Greek 1a, Latin A and B, Mathematics 1a and 9, Mental Science 1, Biology 1 and 2, Physics 1 and Social and Political Science 1 and 11 are not counted toward a major. In Physics students must present one year of high school work in the subject in order to begin a major or minor.

Theses.—On or before the opening of the second semester of his junior year, each candidate for a degree shall select the subject of a thesis connected with the subject which he is making his major. This subject must be chosen in consultation with the head of the department to which the student's major belongs and with his approval.

The completed thesis shall be typewritten and filed with the Librarian on or before the first of April preceding the student's graduation. Such thesis must be prepared according to regulations to be obtained from the Librarian, and must bear the signed approval of the head of the department. Further, these theses must be accompanied by a complete bibliography of works consulted and analysis. Ordinarily, they will not be accepted if they exceed 6,000 words in length.

Classification of Students

Classification without Conditions.—For freshman classification, as stated before, fifteen units of acceptable high school work or their equivalent; for sophomore, thirty-two college credits in addition to the entrance requirements; for junior, sixty-four credits in addition to the entrance requirements; for senior, ninety-six credits in addition to the entrance requirements.

Classification with Conditions.—A student is classified as freshman with conditions who presents fewer than fifteen units or their equivalent of high school work and not fewer than thirteen and a half of such units; a student will be classed sophomore on removing all entrance requirements except one-half unit, and gaining twenty-four college credits; he will be ranked junior on removing all entrance requirements and obtaining fifty-four college credits; he will be ranked senior on obtaining ninety college credits.

All conditions from previous years must be removed by the end of the first semester of the senior year.

Changes of Course and Unfinished Courses

Change of Course.—Registration at the beginning of the semester fixes the course of study for the student. After that no change is permitted without the written consent of the instructors concerned and the student's adviser. Dropping a subject comes under this rule.

Unfinished Courses.—Students who drop a year course at the end of one semester lose all credit in that course unless some

CARNEGIE SCIENCE HALL

distinct phase of the subject is completed; in which case, the instructor may grant the credit.

Attending Courses as a Visitor.—Upon the approval of the adviser, a student shall be permitted to attend not to exceed four hours a week in classes for which he is not regularly registered. No credit is allowed for such attendance.

Respecting Courses Offered

Five Students Required for a Class.—The college does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar. Such classes may, however, be organized at the option of the instructor.

Courses of Study.—For detailed information respecting the courses of study offered see the heading, Departments, page 40, and following.

Preparation for Study of Professions

In general colleges do not offer the highly specialized and technical courses required in the professional schools. The object of a college is rather to lay a foundation for such study in a broad and thoro culture. At the same time the system of majors and minors and the elective system in use here permit the student to frame his college course with some reference to his future profession. The student on selecting his profession should, as soon as convenient, decide what school he will probably attend, then acquaint himself with its requirements for entrance, and shape his college course to meet those requirements. In general, however, the student will find the following courses helpful to him in his future professional study.

For the Study of Medicine.—Thoro courses in chemistry, physics and biology will be most helpful to the student and in most of the better medical schools are required.

For the Study of Law.—The courses in social and political science, English and argumentation, jurisprudence and history, especially constitutional history, are advised. Able students who find it necessary to economize in time will find it possible to gain a year by taking some courses in the evening classes of the Saint Paul Law School along with their college courses.

For the Christian Ministry and Missionary Teaching.—The department of religious education and the electives in Greek Testament, philosophy, ethics and history offer a course well adapted

to those who have the gospel ministry in view. Those, too, who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

For Teaching.—Because of the large number of its graduates who become teachers, the college has made special provision for their needs. The student should remember that there is the content side of his preparation and the technical side. The former part of the preparation he will obtain by directing his college studies thru the majors, minors and elective studies to the subjects which he will teach, with their related topics. The latter he will find in the courses in sociology, psychology, logic, ethics, history of philosophy, history and principles of education. This preparation will then be supplemented by practice work to increase his insight into the principles of his profession and give him skill.

Attention of young men is invited in particular to the laboratory shop courses and manual training teachers' course which, in connection with the science courses, fit men for positions for which there is at present great demand.

Senior Electives in Professional Schools.—Students intending to study for some profession, who are obliged to shorten their course in preparation, may in the following manner save one year while still obtaining their degrees. After completing three years of the college course and being enrolled for the fourth year, they may take the first year of a professional course in any school approved by the faculty in place of the work of the senior year.

Conditions Required.—This will be permitted subject to the following conditions: first, the required studies of the college must be completed in every case; secondly, a certificate must be presented from the professional school, showing the successful completion of the work of the first year in that school.

Students Not Candidates for a Degree

Students not expecting a degree will be admitted to the college under the following conditions:—

(1) They must present the requisite entrance credits, fifteen units for unconditioned registration, at least thirteen and a half for conditioned registration.

(2) They will be restricted in their choice of courses to such as their previous studies furnish a preparation.

(3) They are not excused from the operation of any of the regulations of the institution, which apply to the general student body.

These conditions being met, such students are classified according to the number of credits they have obtained, and are entitled to all the privileges of the college life.

Student Advisers

The Board of Trustees on recommendation of the Faculty has changed the advisory system because of the growing emphasis on the major work of the student.

For registration, advice and supervision all freshmen are referred to the following committee:—

Professors Clark, Hall, Halverson, Whitridge and Tiffany.

All sophomores are referred to the following committee:—

Professors Alexander, Anderson, Burgess, Menger and Kingery.

Thru the Junior and Senior years a student is advised by the head of the department in which he majors. The adviser assists the student in the arrangement of a course of study in harmony with his tastes or prospective vocation. The aim of this system of advisers is more intensive and consistent courses of study, vocational direction, timely warning to laggards and closer and more friendly cooperation.

Departments

Biology

Professor Waggoner and Miss Dosdall

All courses should be arranged with the approval of the head of the department if the previous work is in any way irregular. This does not apply to courses 1, 2 and 22 which may be taken by any student registering in the college. Courses 1, 2, and 22 do not count toward a major in biology.

1. **Elementary Botany.—**
This course deals with the green plant in relation to the home life of the student. Attention is paid to those phases of the subject that have a direct bearing upon agriculture, horticulture and gardening. The life cycle of the green plant, beginning with the flower, is the central idea about which this course is built up.
First semester, seven hours a week, three credits.

2. **Elementary Zoology.—**
Representatives of the various groups of invertebrates are considered in laboratory, lecture and recitation. The greater part of the work is given over to the study of those forms that are closely connected with human welfare, such as the insects, parasitic worms, etc. Some time is given in the field to the study of the bird life during the spring migration. The complex inter-relation of animals to each other and to their food supply is studied in detail. This course follows biology 1.
Second semester, seven hours a week, three credits.

3. **Human Physiology as Related to Health.—**
This course consists of lectures , demonstrations and recitations upon the functions and structure of the human body. Special attention is given to those aspects of the subject that have to deal with the preservation of health.
Prerequisite, course 1 or 2, or equivalent. First semester, three hours recitation and two hours' laboratory a week, three credits.

4. **Flowering Plants.—**
This is a systematic study of the flowering plants of the vicinity, both cultivated and native. Emphasis is placed upon those plants useful for decorative and other purposes.
Prerequisite, course 1 or equivalent. Second semester, hours and credit to be arranged.

5. Plant Physiology.—
This course deals in detail with the fundamental physiological processes of the plant. Emphasis is placed upon those phases of the subject that throw light upon the physiology of other forms of life. The relation of the plant to the soil is considered in detail.

Prerequisite, course 1 or equivalent. (Hours to be arranged.) Second semester, six hours in the laboratory a week, three credits.

7. Vertebrate Zoology.
This course is a study of the anatomy of the vertebrates from the laboratory standpoint. The work consists largely of dissection with occasional recitations and quizzes. This course is primarily for those preparing for the study of medicine.

Prerequisite, courses 2 and 3, or equivalent. (Hours to be arranged.) Second semester, seven hours in laboratory a week, three credits.

10. History of Biology.—
This course consists of a study of the lives and work of the more important men who have shaped biological thought.

Prerequisites, courses 1 and 2, or equivalent. (Hours to be arranged.) Two hours a week, two credits.

12. Individual Courses.—
Advanced students may, with the approval of the head of the department, take up lines of work not covered in the regular courses. The subjects offered include various phases of agriculture, economic zoology and botany, as well as advanced work along the lines of the regular courses.

Hours and credit to be arranged. First or second semester.

20. Teachers' Course in Biology.—
Training in the theory and practise of the teaching of biology. Weekly conferences are held on the methods of teaching; opportunity is given for practise in laboratory instruction, grading of note and examination papers; questions connected with the planning of high school courses in biology, the preparing and buying of material, text books, etc., are discussed. Open only to seniors who have had sixteen credits in biology.

Hours to be arranged. One year, three hours a week, four credits.

21. Cryptogamic Botany.—
This course deals with the lower forms of plant life in their relation to each other. Emphasis is placed upon those forms

that are of economic importance such as bacteria, yeasts, and the fungi that cause plant diseases.

Prerequisite, course 1 or equivalent. (Hours to be arranged.) First semester, six hours a week, three credits.

22. Bacteria in Relation to Disease and Sanitation.—

This is a course of lectures suited to the general or special student who desires to have an intelligent idea of the cause and prevention of the important diseases. Special attention is paid to the biological principles which underlie scientific nursing and sanitation. This course may be taken in connection with course 12.

First or second semesters, one hour a week, one credit.

24. Heredity.—

This course includes a study of man, the lower animals, and plants, from the standpoint of heredity and environment. Emphasis is placed upon those aspects of the subject which are concerned with the hereditary traits and characters as found in man. This course is designed for the general, as well as the special student.

Prerequisite, six credits in biology or equivalent. Course follows course 3. Second semester, two hours a week, two credits.

25. Field Work.—

This course is for those who wish a knowledge of the birds and plants as they appear in the spring.

Prerequisites, courses 1 and 2, or equivalent. (Hours to be arranged.) Second semester, four hours a week for the last half of the semester, one credit.

Courses 22 and 24 are of great value to the prospective teacher inasmuch as the subject matter deals with things that concern the child directly. Courses 1, 2, 3, 22 and 24, are recommended for those who desire a general view of the subject. The other courses are intended for those taking a major or minor in biology or in a closely related line of work.

Chemistry

PROFESSOR JONES

Courses 1 and 10 are not counted toward a major or minor.

1. General Inorganic Chemistry.—

The course includes a thoro study of the principal elements and their compounds, their occurrence in nature, preparation in the laboratory, etc.; also an introduction to the study of qualitative analysis.

One year, seven hours a week, eight credits. Six credits will be allowed seniors taking this course.

Students who have one unit of high school chemistry must take the lecture and classroom work of this course before they are eligible to take the courses following. Four credits will be allowed for this work. Students with very high standing in their high school chemistry will be allowed upon passing an examination, to omit this course.

2. Advanced Inorganic Chemistry.—

This is a continuation of course 1, with an introduction to physical chemistry.

Prerequisite, course 1. One year, six hours a week, six credits.

3. Qualitative Analysis.—

Lecture and laboratory work, including the detection and separation of the metals and the identification of the acids. The last few weeks of the year are spent in the analysis of specimens of rock and earth. Instead of this, the student may make a study of materials used as paint pigments and the methods used in paint analysis.

Prerequisite, course 1. One year six or eight hours a week, six or eight credits; or second semester, twelve hours a week, six credits.

4. Quantitative Analysis.—

Lecture and laboratory work. This includes an introduction to the gravimetric and volumetric analysis and a study of the methods of determination of atomic weights.

Prerequisite, courses 1 and 3. One year, six or eight hours a week, six or eight credits.

5. Organic Chemistry.—

A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of foods, oils, explosives, etc., is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 6 is also taken.

Prerequisite, courses 1 and 2 or 1 and 3. One year, three hours a week, four credits.

6. Laboratory Course in Organic Chemistry.—

To be taken with or upon completion of course 5. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 5, when possible.

One year, six hours a week, four credits.

7. Advanced Organic Chemistry and Qualitative Organic Analysis.—

This course is a continuation of courses 5 and 6. The detection of common food adulterants will receive attention.

Prerequisite, courses 1, 2, 3, 5 and 6. One year, six hours a week, six credits.

8. Food Analysis.—

Milk and butter analyses receive special attention.

Prerequisite, courses 1, 3 and 4. One year, six hours a week, four credits, or one semester, twelve hours a week, four credits.

9. Water Analysis.—

Prerequisite, courses 1, 3 and 4. One semester, six hours a week, three credits.

10. Teachers' Course.—

This course is designed for those who intend to teach chemistry. They are given practical work in the laboratories, instructing students beginning chemistry, preparing solutions, etc. A course of lectures is given on the teaching of chemistry.

Prerequisite, courses 1 and 3. One year, three or six hours a week, two or four credits. No fee is charged.

Education

PROFESSOR ANDERSON

1. Administration and Management.—

This course opens with a preliminary sketch of the origin of our school system. Then follows a study of the organization and administration of our schools. Attention will be given in particular to the secondary school system. Here are included the rise and growth of high-schools, their purposes, kinds, curricula, etc. The course concludes with a discussion of the problems of class management.

Prerequisite, twenty-four credits. First semester, three hours a week, three credits. Students taking this course are advised to register at the same time for Philosophy 1, unless they have already obtained credit in that course.

2. Principles of Teaching.—

A course in teaching for prospective teachers in secondary schools. The course includes the physical and mental characteristics of the adolescent pupil; the cultivation of proper methods of study on the part of the pupil; the general methods of teaching with illustrative applications. Instruction is by means of text-book, lectures, collateral readings, quizzes. Reports on visits and observations in the city schools are required. Each student in this class must present, not later than June the first, a complete set of plans for twenty consecutive lessons in an approved subject.

Prerequisite, course 1; also Philosophy 1. Second semester, three hours a week, three credits.

3. History of Education.—

A general course in the history of education. It includes ancient oriental education, education in Greece and Rome, and through the medieval times. A fuller treatment is accorded

the educational movements from the Renaissance to the present. The purpose is not only the possession of the facts, but also the application of them to the interpretation of present theory and practise. Students taking this course are advised to take a course in European history, if they have not already done so. Instruction is by means of text-books, lectures, and collateral readings.

Prerequisite, fifty-four credits. First semester, three hours a week, three credits. Not given in 1917-1918.

4. **Present Systems and the Philosophy of Education.**— This course takes up the work where the previous course leaves off, with a study of some modern educational systems. Chief attention is given to a study of the British, German and French systems in comparison with our own. Each student is required to make a study of some phase of foreign education and prepare a careful written report on it. The study of the modern systems is then used as a basis for a consideration of the aims of education immediate and remote. The student is encouraged to formulate to some extent his own philosophy of education.

Prerequisite, course 3. Second semester, three hours a week, three credits. Not given in 1917-1918.

For further courses in Education, see the various departments of instruction in the college; and, further, all courses in the department of Mental Sciences and Philosophy.

The following courses are included in this department:—

Religious Education 8
Biology 20
Chemistry 10
English 11
German 11
Latin 7
Mathematics 7
Applied Mechanics 2
Physics 5

The work in practice teaching is given in connection with the courses in teaching in the various departments, as given above, and is in the care of the heads of those departments.

English

PROFESSORS JOHNSON, CLARK, WHITRIDGE and MISS TIFFANY

This department offers a major in English Literature and a minor in Expression or English Composition. Courses offered as English Composition may be counted toward a major in English Literature.

1. COMPOSITION AND PUBLIC SPEAKING

PROFESSOR CLARK, MISS TIFFANY AND MR. WHEATON

1. Composition.— PROFESSOR CLARK AND MISS TIFFANY

This course is required of all freshmen. Its purpose is to give the student practice in speaking and writing and to lay a foundation for future work in English. Descriptive and narrative writing are studied the first semester, and expository writing the second semester.

Students who are deficient in punctuation, spelling and sentence structure are required to make up these deficiencies in a separate course for which no college credit is given.

One year, three hours a week, six credits.

2. Advanced Composition.— PROFESSOR CLARK

A small magazine will be published by the students of this course in which the best productions will be printed. To defray the expense of publishing this magazine a small laboratory fee is charged. First semester, the essay; second semester, the short story.

Prerequisite, English 1. One year, three hours a week, six credits.

3. Play Writing.— PROFESSOR CLARK

The aim of this course is to discover the dramatic values in life and the best methods of expressing them in literature. Representative plays are analyzed for technique in plot, character portrayal and dialog, and a model of each type is constructed in the class room. A one-act play is required of each student and opportunity will be given for producing more elaborate structures.

Prerequisite, English 1. Second semester, three hours a week, three credits. Not offered 1917-1918.

4. Newspaper Writing.— PROFESSOR CLARK

Open to all members of the Mac Weekly staff and student reporters on the Twin City papers as well as to those who have shown some skill in writing in English 1 or English 2, first semester, and wish an introduction to the field of journalism. The course will consist largely of lectures by editors and reporters of the Twin City papers, and will be under the general supervision of Editor J. S. McLain of the Minneapolis Tribune. The course may be elected for one or both semesters.

One year, one hour a week, two credits.

5. **Seminar in Advanced Composition.**— PROFESSOR CLARK
Admittance to this course is by approval of the instructor. To be admitted a student must have shown unusual aptitude for writing and must have completed one-third of the writing required for the course before he enters it. A student may pursue any form of writing which meets the approval of the instructor. A student desiring to be admitted to this course should, if possible, consult with the instructor during the spring or summer preceding enrollment in the course.

Prerequisite, fifty-four credits. One semester, one hour a week, one credit.

Students taking advanced composition courses are advised to take also courses in English Literature.

7. **Public Speaking.**— PROFESSOR CLARK
The object of this course is to correct a student's faults in public speaking and enable him to present a message effectively from the platform.

First semester, two hours a week, two credits.

8. **Argumentation and Debate.**— PROFESSOR CLARK
A study and analysis of great debates by Calhoun, Webster, Lincoln and others. Abundance of practice is given in drawing up of briefs and in actual debating.

Prerequisite, twenty-four credits. Second semester, two hours a week two credits.

9. **Extemporaneous Speaking.**— PROFESSOR CLARK
The object of this course is the development of a natural, direct and effective manner of speaking. Weekly extemporaneous speeches, thoroly outlined, are required of the class and also one long written address suitable for public presentation.

Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

10. **Seminar in Debating and Oratory.**— MR. WHEATON
Open to those who represent the college in intercollegiate debates and in the state oratorical contest.

One semester, two hours a week, two credits.

Students interested in debate and oratory will find it helpful to take Mental Science 3 (Logic) and courses in Expression and Economics.

11. **Teachers' Course.**— PROFESSOR CLARK
This course is designed to prepare students to teach English in secondary schools. The work consists of lectures, reports and actual practice teaching.

First semester, two hours recitation, two hours practice work, three credits.

15. World's Masterpieces and Modern Tendencies.— PROFESSOR CLARK

In the first semester the student will be introduced or re-introduced to such masters as Homer, Dante, Goethe and efforts will be made to estimate their contribution to their age as well as to modern times. In the second semester the class will attempt to estimate the trend of modern day forces, especially the spirit of American nationalism and the new literature growing out of the Great War.

Prerequisite, fifty-four credits. One year, three hours a week, six credits.

2. ENGLISH LANGUAGE AND LITERATURE

PROFESSOR JOHNSON

22. American Literature.—

Lectures and critical reading of selected authors; themes on assigned reading.

Prerequisite, course 1. One year, three hours a week, six credits.

23. Old English.—

A study of the language, and reading of selections from the Old English Chronicle, King Alfred, Aelfric and the simpler poetry; Beowulf.

Prerequisite, course 1. One year, three hours a week, six credits. Not offered 1917-1918.

24. English Literature.—

The aim of this course is to emphasize the main facts in the development of English literature from the seventh century until about 1600. Chaucer and Spenser are extensively read and discussed.

Prerequisite, course 1. One year, three hours a week, six credits

25. English Literature.—

Shakespeare and Milton.

One year, three hours a week, six credits. Not offered 1917-1918.

26. The Drama in England.—

Special attention will be given to the writings of the minor dramatists of the Elizabethan period. While the course deals chiefly with the English drama, attention will be given to other literatures.

Prerequisite, courses 1, 24 and 25. One year, three hours a week, six. credits. Not offered 1917-1918.

27. History of Literary Criticism.—

A study of the principles governing literary composition.

Prerequisite, courses 1 and 24. First semester, three hours a week, three credits.

28. Browning and Tennyson.—

A comparative study.

Prerequisite, courses 1, 24 and 27. Second semester, three hours a week, three credits.

29. The English Novel.—

Its rise and development.

Prerequisite, courses 1 and 24. One year, three hours a week, six credits. Alternate for course 26.

Any of the above courses may be elected by the semester.

3. EXPRESSION

ADJUNCT PROFESSOR WHITRIDGE

A. Elocution and Voice Training.—

1. Theory. The principles underlying the art of expression and literary interpretation.

2. Practice. Deep breathing. Correction of voice faults and mannerisms. Factors of expression. Analysis and interpretation of the classics. Reading and speaking.

One year, three hours a week, four credits.

B. Literary and Dramatic Interpretation.—

Pantomime. Adaptation of the short story and play for platform work. Story telling. Scenes and original presentations.

Prerequisite, course A. One year, two hours a week, four credits.

C. Shakespeare and Modern Drama.—

Analysis and presentation.

Prerequisite, courses A and B. One year, two hours a week, four credits.

Geology

PROFESSOR ALEXANDER

1. General.—

A general study of the forces at work within and upon the surface of the earth, the structural forms which these forces have produced and the history of the earth and the life upon it. Illustrated lectures combined with recitations and quizzes upon text work assigned. Field work for the study of local geology.

One year, three hours a week, six credits.

2. Mineralogy.—

A short course in mineralogy including a brief study of crystal forms and practical methods for the identification of the common minerals.

Prerequisite, Chemistry 1. First semester, three hours a week, three credits.

3. Fossil Biology.—

A short course in fossil biology. This includes a study of the methods used for collecting, identifying and interpreting fossil forms and their life relationship.

Prerequisite, elementary biology. Second semester, three hours a week, three credits.

Greek

PROFESSOR HALL

Course 1a is not counted toward a major or minor.

1a. Grammar.—

A study of the elements of the language. Drill in form, vocabulary, syntax and composition. Readings from Xenophon's Anabasis.

One year, five hours a week, ten credits.

1. Xenophon or Lucian.—

The Hellenica, Books I and II, with discussion of the earlier stages of the Peloponnesian war; or Lucian's Charon or Timon and selected short dialogues, with a survey of the literary and social conditions of the age.

First semester, four hours a week, four credits.

2. Homer or Herodotus.—

The Iliad, Books I-IV in literary and grammatical study; or Herodotus, stories, and selections from Book VII, with a careful consideration of accidence and syntax, of the Ionic dialect.

Second semester, four hours a week, four credits.

3. Athenian Orators.—

Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure.

Prerequisite, course 2. First semester, three hours a week, three credits.

4. Plato.—

The Apology and Crito. Socrates and his teachings, with readings from Xenophon's Memorabilia.

Prerequisite, course 2. Second semester, three hours a week, three credits.

5. **The Drama.—**
Selected plays of Aeschylus or Euripides and Aristophanes. Rise and development of tragedy and comedy. The Greek theater and production of plays.
Prerequisite, courses 1, 2, 3 and 4. First semester, three hours a week, three credits.

6. **English Course in Greek Literature.—**
Studies in the elegiac, lyric and dramatic poets of Greece, for students having no knowledge of Greek.
Prerequisite, twenty-four credits. First semester, two hours a week, two credits.

7. **The Odyssey.—**
Selections from Books I-XII. Sight reading. Literary study of the whole poem from the English translations of Palmer and of Butcher and Lang.
Prerequisite, courses 1, 2, 3 and 4. Second semester, three hours a week, three credits.

8. **Lyric Poetry.—**
Selections from the elegiac and lyric poets.
Prerequisite, courses 1, 2, 3 and 4. Second semester, two hours a week, two credits.

9. **The Greek Testament.—**
This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek. The aim is to master a good working vocabulary, the main characteristics of New Testament Greek and to get some practice in Greek exegesis.
Prerequisite, fifty-two credits. One year, two hours a week, four credits.

10. **Classic Mythology.—**
A study of the more important myths of Greece and Rome with special attention to their use in English literature.
Prerequisite, twenty-four credits. Second semester, two hours a week, two credits.

History

PROFESSOR FUNK, MRS. HODGMAN AND MR. WHEATON

Students who major in this department ordinarily will be required to take courses 1, 2, 5 and 6. Courses 1, 5 and 6 are open to freshmen. If taken by juniors or seniors they will count for only two credits a semester. Students choosing history as a minor are recommended to pursue courses 5, 6, 4 and 9. Those majoring in this department will be expected to secure at least eighteen credits in related subjects, such as economics, sociology, political science, and the history of philosophy.

1. **Early European History and the Middle Ages.**— PROFESSOR FUNK

From 31 B. C. to 1300 A. D. A suitable text-book, sources, and documents form the basis of the work, supplemented by collateral reading, and topical reports.

One year, three hours a week, six credits.

2. **English Political and Constitutional History.**— MR. WHEATON

This is a study of the political and constitutional development of England from the Norman Conquest until 1815. Collateral reading and a thesis are required.

One year, three hours a week, six credits.

3. **The Renaissance and the Reformation.**— PROFESSOR FUNK

This course covers the period from 1300 to 1648. The greater part of the first semester is devoted to the Renaissance and the remainder of the year is given to the Reformation. Topical reports and a thesis are required.

One year, three hours a week, six credits.

4. **The French Revolution.**— MR. WHEATON

In this course the causes bringing about the fall of the Bourbons, the revolution proper and the Napoleonic era are studied.

First semester, three hours a week, three credits.

5. **American History.**— PROFESSOR FUNK

From the adoption of the constitution to 1850.

First semester, three hours a week, three credits.

6. **American History.**— PROFESSOR FUNK

From 1850 to the present time.

Second semester, three hours a week, three credits.

7. **American Colonial History.**— PROFESSOR FUNK

Beginning with the earliest settlements in the colonies this course aims to trace the development of those institutions and forces which led to American independence. It also includes a study of the making of the constitution and its adoption.

First semester, three hours a week, three credits.

8. **The Westward Movement.**— PROFESSOR FUNK

This is a study of the westward extension of the United States and of the economic and political development resulting from this expansion.

Prerequisite, course 7, or courses 5 and 6. One year, three hours a week, six credits. Not offered 1917-1918.

9. Modern European History.— PROFESSOR FUNK
From 1815 to the present time. Special attention is devoted to the establishment of constitutional governments and the industrial evolution of this period.
Second semester, three hours a week, three credits.

10. History of Rome.— MR. WHEATON
A systematic study of the social and political development of the Roman nation and the causes of its downfall. Course will consist of text-book work, collateral reading and lectures. Recommended to those intending to teach Latin and History.
One year, three hours a week, six credits.

11. History of Greece.—
A study of the political and social development of the Greek states to the time of their incorporation into the Roman Empire. Special attention will be given to the permanent influence of Greek civilization. Text-book work, reading, lectures.
One year, three hours a week, six credits.

12. History of Fine Arts.— MRS. HODGMAN
A study of the development of architecture, sculpture and painting thru the various periods of ancient, medieval and modern art. An effort is made to familiarize the student with the great masterpieces by means of photographs, stereopticon lectures and visits to the art galleries in St. Paul and Minneapolis.
One year, one hour a week, two credits.

13. History of American Diplomacy.— PROFESSOR FUNK
One semester, three hours a week, three credits.

Home Making

ADJUNCT PROFESSOR WHITRIDGE

3. The House.—
(a) Evolution of the modern home from primitive conditions. Its object. Selection of site with regard to climate, soil, drainage and neighborhood. Location of house with regard to exposure, light and prevailing winds. Study of house plans to meet the requirements, comfort and convenience of the family for which the house is intended. Drawing of specific plans.
(b) Household Art.—
Furnishing the house from the standpoint of good taste and economy. Value of form, color, design and materials in interior

decorations. Wallpapers, carpets and curtains. History of furniture. Household management.

One year, two hours a week, four credits.

4. **Social Culture.—**
The hospitality of the home. The forms and customs known and observed in community life.

Second semester, two hours a week, one credit.

Latin

PROFESSOR BURGESS

Courses A, B and C are not counted toward a major or minor.

A. **Beginning Latin and Nepos.—**
Two-thirds of the year are devoted to the study of declensions and conjugations, syntax and vocabulary, translation to and from the Latin, and to conversation. The last third of the year is devoted to Nepos' Lives.

One year, five hours a week, ten credits.

B. **Caesar and Cicero.—**
Caesar's Commentaries will be studied for the first semester, with prose composition. Cicero's Orations, the second semester.

One year, four hours a week, eight credits.

C. **Cicero, Virgil, Ovid.—**
Cicero's Orations and Virgil's Aeneid, first semester. Virgil and Ovid, second semester.

One year, four hours a week, eight credits.

1. **Cicero, Livy, Pliny.**
Cicero, De Senectute; Livy, selections from books I, XXI and XXII; Pliny's Letters. In this course the aim is to fix the student's knowledge of grammatical forms and syntax, and, by constant drill and prose composition, to familiarize him thoroly with fundamental principles and enlarge his vocabulary.

Prerequisite, four years' work in Latin. One year, four hours a week, eight credits.

2. **Horace, Tacitus, Juvenal.—**
(a) First semester:—Horace, Odes, Epodes, Satires and Epistles. A thoro knowledge of forms and syntax is presupposed. Much time is spent on literary content and style. A thoro study is made of the life of Horace, his literary art and prosody. Thruout the course are noted the condi-

tions in the Roman literary world and the various phases of life and politics under the Early Empire.

(b) Second semester:—Germania and Agricola of Tacitus or some other prose work, illustrative of the language, character of thought, social and political conditions of the Silver Age. Juvenal's Satires; private life of the Romans.

Prerequisite, course 1. One year, three hours a week, six credits.

3. **The Latin Drama.**—

Plautus, Terence, The Senecan Tragedies. A study of representative plays with lectures and topical work on the sources and treatment of material, social conditions, the theater, actors and spectators.

First semester, three hours a week, three credits.

4. **Roman Philosophy.**—

(a) Lucretius and Epicurean philosophy. This course consists of the reading and interpretation of the text of Lucretius with a study of his philosophy and its sources. (b) Cicero.—The New Academy. (c) Seneca.—Stoicism. A study of the dialogs of Seneca and a survey of Stoicism in Rome.

One year, three hours a week, six credits.

5. **Letters of Cicero.**—

A course for those intending to teach Latin. In addition to the translation of selections from the Letters, collateral work will be assigned to familiarize the student with the life of Cicero, social and political conditions under the Republic.

One semester, two hours a week, two credits.

6. **Grammar and Composition.**—

A course in advanced composition and a study of prose style and of grammatical rules and principles.

One semester, two hours a week, two credits.

7. **Teachers' Course.**—

This course is designed to prepare students to teach the Latin of secondary schools. A study is made of the cultural and educational value of Latin; its relation to the English language and literature and the Romance languages; its use in the terminology of the sciences, the law and other professions; Roman civilization as a basis for our own; mental training. Based on Sabin's Relation of Latin to Practical Life and Kelsey's Latin and Greek in American Education. A study of grammar, Nepos' Lives, Caesar, Cicero, Virgil and Ovid from the standpoint of the high school teacher. The place of each in the curriculum.

One year, three hours a week, six credits.

8. Roman Elegiac Poetry.—
Selections from Catullus, Tibullus, Propertius and Ovid with a study of the rise, development and characteristics of Roman elegiac poetry.
One semester, three hours a week, three credits.

9. Roman Law.—
This course consists of translation of the text of the Institutes of Justinian and a study of Morey's Outlines.
One semester, two hours a week, two credits. Prerequisite for courses 3 to 9, courses 1 and 2, or course 1 completed with a grade of A.

10. Roman Archaeology.—
This course designs to familiarize the students with the city of Rome and to enable them to feel that if placed in the audience of Cicero before the Rostra, they would be familiar with their surroundings and could find their way about the Capital of the World. To bridge the gap between modern Rome and the ancient city, a study is made of the ruins remaining, bridges, roads, walls, fora, temples, theaters, amphitheaters, circuses, thermae, arches, tombs, sculpture. A study of the Campagna and Roman building materials. No knowledge of Latin is required.
Prerequisite, a course in Roman history. First semester, two hours a week, two credits.

Mathematics and Astronomy

PROFESSOR KINGERY

Courses 1a and 9 are not counted toward a major or minor.

1a. Solid Geometry, Algebra and Trigonometry.—
This course is for those who present only two units in high school mathematics.
One year, four hours a week, eight credits.

1. College Algebra.—
Graphic representation of functions, ratio and proportion, variation, theory of quadratics, progressions, series, etc.
First semester, four hours a week, four credits.

2. Trigonometry and Analytic Geometry.—
Definitions of trigonometric functions, development of formulae and their application to the solution of problems, plane and spherical. This is followed by a brief course in analytic geometry, sufficient for elementary courses in physics and astronomy.
Second semester, four hours a week, four credits.

3. **Analytic Geometry.—**
This is a continuation of course 2. Equations of straight lines and the principal curves and their tangents are discussed by both rectilinear and polar co-ordinates.
Prerequisite, course 2. First semester, four hours a week, four credits.

4. **Differential and Integral Calculus.—**
A brief study of the principles of differential calculus based on theory of limits, followed by a short course in integral calculus.
Prerequisite, course 3. Second semester, four hours a week, four credits.

5. **Advanced Calculus.—**
Continuation of course 4.
One year, three hours a week, six credits.

6. **Surveying.—**
Prerequisite, course 2, Second semester, three hours a week, three credits.

7. **Advanced Algebra and Geometry.—**
Intended especially for those preparing to teach.
Prerequisite, course 1. One year, three hours a week, six credits.

8. **Astronomy.—**
Text-book, lectures and practical work with sextant, transit and clock.
Prerequisite, course 2. One year, five hours a week, six credits.

9. **Mechanical Drawing.—**
A course designed for those taking shop work or preparing for technical schools.
One year, four hours a week, two credits.

The Mental Sciences and Philosophy

PROFESSOR ANDERSON

1. **Psychology.—**
An introductory course covering the main features of normal human psychology:

(1) A brief introduction in experimental work, intended to accustom the student to introspective study and to give him an insight into the methods of modern psychological investigation.

(2) A survey of the more prominent aspects of the conscious life. This part opens with a synopsis of the nervous mechanism and is followed by a consideration of the sensations, perceptions, affections, memories, judgments, etc. The work

is carried on by means of text-books, collateral readings, lectures, observations by the student, and experiment. Required in all courses.

Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

2. **Ethics.—**

This course begins with an historical sketch of ethical theories and of the conceptions of life that have been held. Next, the psychological facts and the philosophy of ethics are investigated in order to gain an adequate basis for ethical theory. Finally, the problems of practical ethics are taken, particular consideration being given to certain of them, which are now occupying the thoughts of men. The attempt is made in this course to develop a system of thought that does justice to Christian motive and doctrine and is, at the same time, based upon a proper scientific and philosophical basis. Required in all courses.

Prerequisite, course 1. Second semester, three hours a week, three credits.

3. **Logic and Scientific Method.—**

This is a study of the instruments of thought and investigation and of the methods and tests of proof. Aside from the culture aspect of the study, it is of interest to the student of science, as elucidating the procedure of science; it is of interest to the student of oratory and literature, as forming the basis of all plans and methods of procedure in exposition and argumentation; it is of value to the teacher, since it furnishes the analysis of teaching methods from the content side, just as psychology does from the conscious side. In order to make this discipline as valuable as possible, logical definition and division receive attention, and their relation to literary work is shown. Much attention is given to fallacies and the analysis of fallacious reasoning. The use of hypothesis, analogy and probability, and the methods of scientific experiment and verification are explained and illustrated. Thruout extensive use is made of practical exercises in order to fix principles and develop ability to use them.

Prerequisite, twenty-four credits. One year, two hours a week, one of which is used as a laboratory hour; three credits.

4. **Advanced Psychology.—**

A course designed to study more exhaustively certain problems suggested in course 1, in the domain of comparative, social and

educational psychology. The psychology of animals, of races and of society are taken up; then the mental life of childhood and adolescence; and, finally, the bearing of the science upon education, business and professional life is studied.

Prerequisite, course 1. One year, three hours a week, six credits.

5. Advanced Logic and Scientific Method.—
A course covering the same general ground as course 2, but much more thoroly. It consists of two parts:—

(1) Formal logic, with a closer study of logical theory and concepts, modal propositions, etc. With it will be given a brief course of lectures on genetic logic.

(2) Scientific method. A more complete study of the methods of science, including statistics, probability, etc. As a part of this course will be included a brief course of lectures on the history of science.

Collateral readings are required on the methods and aims of science as stated by distinguished men of science themselves.

Prerequisite, course 2. One year, two hours a week, four credits.

Philosophy seeks a consistent view of the world and of life; it seeks the meaning to life and reality. It is cultural in character; it would correct the one-sidedness of the mere specialist and correlate the results of general study. The four courses in philosophy which follow are arranged in two pairs offered in alternate years. The student may begin with either pair.

10. History of Philosophy, Ancient and Medieval.—
Beginning with the early Greeks, this course follows the course of philosophic thought down to the period of Bruno, with the purpose of noting the development and relationships of the chief philosophical concepts. Attention is concentrated upon the leading thinkers and on the movement of thought. Collateral readings in Plato and Aristotle are required.

Prerequisite, fifty-four credits, unless by the approval of the instructor. First semester, three hours, three credits.

11. History of Philosophy, Modern.—
Continuing the preceding: from Bruno to the present time. Constant use of Rand's classical Modern Philosophers is made for collateral reading.

Prerequisite, seventy credits, unless by the approval of the instructor. Second semester, three hours, three credits.

12. Modern Philosophy.—

(a) Introduction to Philosophy. The purpose is to bring before the student the chief problems of philosophy, to exhibit in outline the courses of argument by which various views are supported, and to formulate some positive views respecting the problems of the world that confront us.

(b) The latter part of the semester will be given to the study of some modern thought movement. Next year it will consist of a study of Pragmatism, as formulated by James and others.

Prerequisite, sixty credits, unless with the approval of the instructor. First semester, three hours, three credits. Not offered 1917-1918.

13. Modern Philosophy (continued).—

The course here offered will take up one or more of the most important modern systems of thought. It will be both expository and critical. Next year the work offered will be in the philosophies of Eucken and Bergson. The course will require collateral readings and comparative studies in other philosophers.

Prerequisite, course 12. Second semester, three hours a week, three credits. Not offered 1917-1918.

Modern Languages

PROFESSOR MENGER, ADJUNCT PROFESSOR HALVERSON, MISS CHALFANT.

German

PROFESSOR MENGER, MISS CHALFANT

1-2. Elementary German.—

Essentials of grammar, reading, conversation. This course is intended for students who have had no German.

One year, five hours a week, ten credits.

3. Intermediate German.—

Reading of prose and the easier dramas of Schiller and Lessing. Review of grammar; composition; conversation.

Prerequisite, course 1-2 or two years of high school German.

One year, four hours a week, eight credits.

4. Modern Prose and Drama; Lyrics.—

General reading course.

Prerequisite, courses 1-2 and 3 or three years of high school German. One year, three hours, six credits.

5.* Nibelungenlied.—

Reading of selections from this and other epics in a modern German translation.

Lectures on the interpretation of its mythology.

One semester, three hours a week, three credits.

6. Survey of German Literature.—
A general survey course up to the classic period; readings and reports.
One semester, three hours a week, three credits.

7. Lessing.—
A brief study of his life and times and the reading of at least two of his important works.
One semester, three hours a week, three credits.

8. Schiller.—
A rapid survey of his life and the reading of several of his dramas and his most important poems.
One semester, three hours a week, three credits.

9. Goethe.—
His life, especially as reflected in his works; the reading of several of his dramas, his lyrics and most important philosophic poems.
One semester, three hours a week, three credits.

10. Goethe's Faust, First Part.—
Prerequisite, course 9 of which this is a continuation. Courses 7 and 8 should also precede.
One semester, three hours a week, three credits.

11. Composition and Teachers' Course.—
Advanced syntax and practical composition; conversation. In the second semester a sufficient amount of time will be devoted to methods of teaching, text books, phonetics, etc. Required of all those who desire to teach German; with others optional.
One year, three hours a week, six credits. Senior year preferred.

*Courses 5-11 are electives. Consult instructor before electing. Courses 5-10 semester courses, will be announced whenever offered. Students majoring in German and intending to teach the language should elect German throughout the four years.

French

ADJUNCT PROFESSOR HALVERSON

1-2. Elementary French.—
Essentials of grammar, composition, conversation, reading.
One year, four hours a week, eight credits.

3. French Readings.—
Reading, composition, conversation.
Prerequisite, course 1-2 or two years of high school French.
One year, three hours a week, six credits.

4. **Survey of French Literature.—**
This course, beginning with the Song of Roland, takes a representative work from each important period of French literature to the present day. Lectures, outside readings and reports.
Prerequisite, course 3 or an equivalent. Given in alternate year
One year, three hours a week, six credits.

5. **French Novel.—**
Lectures, outside readings and reports.
Prerequisite, course 4 or an equivalent.
One year, two hours a week, four credits.

6. **French Drama.—**
Lectures, outside readings and reports
Prerequisite, course 4 or an equivalent.
One year, two hours a week, four credits.

Teachers' Course.—
French phonetics, advanced syntax, conversation and methods of teaching. Required of those who desire to teach French.
One year, three hours a week, six credits.

A major in French requires continuous work throughout the four years of the college course.

Spanish

MISS CHALFANT

1. **Elementary Spanish.—**
Grammar, composition, conversation, reading.
One year, four hours a week, eight credits.

2. **Spanish Readings.—**
Prerequisite, course 1, or an equivalent. One year, three hours a week, six credits.
Two years of Spanish are advised.

Music

MR. PHILLIPS, MR. FAIRCLOUGH, MISS KAY

Music may be chosen as a major for the degree of Bachelor of Arts. The maximum number of credits permitted in such work is thirty-two. Not more than eight credits for practical music (voice, organ, piano, violin) will be allowed and then only after a sufficient amount of harmony (usually two years) has been completed, and when recommended by the faculty of the Conservatory of Music. All other college work must conform to the usual requirements of the Bachelor of Arts degree.

The following courses are required of students majoring in music: Harmony, eight credits; Physics 6, two credits.

1. **Elementary Harmony.—**
The work of this year will include all triads, seventh chords, cadences, modulation and suspensions.
One year, two hours a week, four credits.

2. **Advanced Harmony.—**
This is a continuation of the first year's study for greater proficiency in the use of the material. The student will compose and have a great deal of practice in transposing pieces heard but once. Memorizing will be an important feature of the work.
One year, two hours a week, four credits.

3. **Counterpoint.—**
Simple counterpoint beginning with two, three and four-part writing in one, two, three and four notes against one is studied first, followed by syncopated and florid counterpoint with special stress on the latter used in three and four parts.
First semester, two hours a week, two credits.

4. **Elementary Composition.—**
This course is an introduction to the art of composition, with original work in the simpler forms, instrumental and vocal. Facility and clearness in the use of original musical ideas expressed through modern harmony and counterpoint are sought. The student is expected to accomplish work of sufficient merit for public performance.
Second semester, two hours a week, two credits.

5. **Composition and Orchestration.—**
A course in original composition. Instrumental and vocal compositions of simple and complex forms: (a) In the strict classical forms from song to sonata in homophonic and polyphonic style; (b) In the free forms, applying modern means of harmonization, modulation and imitation; (c) Orchestration. This work must have sufficient merit for public performance.
One year, two hours a week, four credits.

6. **Public School Music.—**
For a detailed description of this course see Conservatory of Music.
Two years, two hours a week, eight credits.

7. **History of Music.—**
A study of the beginnings of music through the classical period, including the history and development of instruments. The

college library has a good collection of reference works on music and our students have access to the fine collections in the public libraries of the Twin Cities.

One year, two hours a week, four credits.

8. **History of Music.—**
This is a continuation of Course 7, studying the development of music from the romantic period to our own day. By means of the talking machine, records of many operas, oratorios, symphonies, songs and piano compositions are studied.

One year, two hours a week, four credits.

9. **Appreciation of Music.—**
This is a study of the form and meaning of music. A preliminary study of the instruments of the orchestra is given preparatory to the concerts of the Minneapolis Symphony Orchestra.

First semester, two hours a week, two credits.

10. **Appreciation of Music.—**
This is the continuation of Course 9 and is devoted to a thorough study of romantic and modern forms since the time of Beethoven.

Second semester, two hours a week, two credits.

Physics

PROFESSOR ALEXANDER

Course 1 is not counted toward a major.

1. **Short Course.—**
This is a short course which covers the entire subject in one year. Demonstrations in connection with the lectures are substituted for a considerable amount of the individual laboratory work that is done by the student in the long course, and some of the more technical features of the subject that are not of general importance are omitted. The aim is to offer a thoro year's work in the general principles of physics to those who are taking courses which will not permit them to take the regular long course in the subject. It is recommended only to those who are taking classical or literary courses, or a two-year course in preparation for some school of medicine.

Prerequisite, Mathematics, course 2. One year, six hours a week, eight credits.

2. Mechanics, Sound, Heat.—

This course includes a thoro study of mechanics, sound and heat. A large part of the time is spent in laboratory work and the student's conceptions of physical laws are developed as largely as possible from observation and experiment. About forty quantitative experiments are performed by each student in the laboratory, the aim being to afford a working knowledge of modern measuring instruments of precision and to develop quantitative methods, as well as to discover and verify the laws of nature. Careful attention is given to the problem of the errors in measurement, the student being required in each case to consider the origin of the errors and methods for their elimination and to compute the probable errors of observations and results.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits.

3. Electricity and Light.—

This course includes a thoro study of electricity and light. Forty experiments are performed, thirty-five of which are in electricity, giving the student an opportunity to familiarize himself with electrical measuring instruments. The work in light includes measurements with the photometer, spectrometer and interferometer.

Prerequisite, Mathematics, courses 1 and 2. One year, six hours a week, eight credits. Not offered 1917-1918.

Courses 2 and 3 together constitute what is termed the long course in physics and are designed especially to meet the needs of students taking a scientific course. These two courses together with applied mechanics 2 afford excellent preparation for teaching physics in secondary schools.

4. Advanced Physics.—

In this course a thoro study is made of some topic approved by the head of the department. The work is largely individual and experimental. The aim is to deepen rather than to broaden the student's knowledge of the subject and to cultivate a taste for research. Those who major in physics are required to take this course as a basis for their theses.

Prerequisite, course 2 or 3. First semester, four hours a week, two credits.

5. Laboratory Technic.—

In this course a study is made of the design, construction, operation and repair of the more elementary laboratory apparatus and of the use and manipulation of laboratory materials. The aim is

to afford those students who are preparing to teach physics a practical working knowledge of the physical laboratory.

Prerequisite, course 1, 2 or 3. Second semester, four hours a week, two credits.

6. This course includes a study of the mechanics of sound, particularly wave motion, interference, resonance and quality. Also the development of the diatonic and tempered scales and the construction and theory of the common musical instruments.

One semester, three hours a week, two credits.

7. This is a lecture and demonstration course covering the most important and interesting phenomena of physics. No quantitative work is attempted that requires advanced mathematics. The aim is to lead the student to an appreciation of natural law by deductions made from qualitative observations.

One year, three hours a week, four credits.

Applied Mechanics

PROFESSOR ALEXANDER

The Department of Education of the State of Minnesota has approved the courses offered at Macalester in the department of applied mechanics, and has certified that students who have completed the work in that department are eligible to teach in the high schools of the state.

1. **Elementary Applied Mechanics.—**
This is essentially a general culture course in the applied mechanical principles. The work covers a study of the principles involved in modern methods of wood-working and the use and adjustment of wood-working tools; a study of the principles involved in working the various metals and of metal-working tools. The work in metals includes soldering, brazing, forging and the casting of brass and aluminum. For the latter work simple patterns are made in the pattern shop which, with the setting and pouring, introduces the student to the general principles underlying foundry work. The development and transmission of power, including steam and gas engines, water power, dynamos and motors is given considerable attention. The study of the mechanical principles is illustrated by practical exercises involving their application

to modern methods. The object is to lead the student to an appreciation of the modern mechanical world, its methods and processes.

One year, five hours a week, six credits.

2. **Manual Training, Teachers' Course.—**

This course is designed for students who are preparing to teach manual training. It includes a short study of the history and development of the manual training idea in education; the development of a progressive set of exercises each one of which must be executed and submitted for criticism accompanied by a paper explaining the object of the exercise, the connection with preceding exercises and the points that will appeal to the pupils' interest and stimulate creative thought; visits to manual training and other shops in the Twin Cities.

Prerequisite, course 1 or its equivalent. One year, four hours a week, four credits.

Religious Education

Bible Training

On the John C. Martin Foundation

PROFESSORS WALLACE, MCRAE AND ANDERSON

The great importance of moral and religious training finds, in all our colleges, increasing recognition. Intellectualism alone has proved utterly inadequate for the individual, society and the nation. Knowledge and efficiency can not safely be made the ultimate aim of education. A much more vital and important consideration is, what are the ends which knowledge and efficiency must be made to serve.

In any complete system of education the spiritual nature of man and his chief end in life must be amply recognized. The best known means for the cultivation of this nature and for the discovery of this chief end is found in Christianity, in the central figure of all history—Jesus Christ.

Every educated man and woman should have, must have, a true philosophy of life and we believe that such philosophy is found in the Christian view of God and of the word as presented in the Holy Scriptures.

For the above reasons Macalester has made large provision for the religious training of her students.

Besides its required courses for all students this department offers elective and advanced courses for students wishing to prepare themselves for other forms of Christian service besides the gospel ministry.

The church, as well as the world, has entered on the era of the laity. Christianity is girding itself for the conquest of the world. Her call for leaders and workers of all sorts is louder and more engaging than ever before. The world is white unto the harvest and the reapers include not only preachers and evangelists but missionary teachers, missionary physicians, settlement workers, pastors' assistants, secretaries of Young Men's and Young Women's Christian Associations, trained Sunday school organizers, and lay workers generally.

To students training for any of these vocations the college offers special advantages. Open to them is instruction in many subjects essential to thoro preparation for any of the above forms of Christian activity, such as languages, science, literature, philosophy, history, ethics, sociology, elocution, music.

Courses 1, first semester, and 2 are not counted toward a major or minor.

1. **The Life of Christ.**— PROFESSOR WALLACE

This is studied by means of a harmony of the gospels. By way of introduction, attention is directed to the political and religious condition of the time and to the characteristics and viewpoint of the gospel writers. By discriminating discussion of the teachings of Christ and a realistic presentation of the facts and incidents of His life an effort is made to deepen personal faith in Christ as the Savior of men and to bring the student into appreciation of Jesus as the master teacher of all time.

Required of freshmen, first semester, two hours a week, two credits; elective, second semester, two hours a week, two credits.

Students who are already fairly familiar with the gospels or who for any reason prefer to do so, may, in lieu of the above, take Old Testament History. See 9.

2. **The Missionary Labors of the Apostles.**— PROFESSOR WALLACE

These studies are based on the Acts of the Apostles and in

part on the New Testament Epistles. The external and internal growth of the early church is carefully traced and the whole movement is viewed as a continuance of the work of Christ thru the agency of the Holy Spirit and of His inspired apostles. The authorship and credibility of the Acts, its teaching concerning Jesus, the Holy Spirit, and the organization of the early church receive special attention.

Required of sophomores, one year, one hour a week, two credits.

3. **Prophets of Israel.**— PROFESSOR MCRAE
This course consists of a thoro study of the prophets, their place in the community, their functions and their messages. It is pursued inductively from the Bible text with the object of acquainting the student as fully as possible with the foreshadowings of the Christ. All the Messianic passages are carefully analyzed with reference to their historical background and in the order of their development.

One year, two hours a week, four credits.

4. **The Literary Study of the Bible.**— PROFESSOR WALLACE
This course includes a careful study of the Bible, viewed as literature. The rhetorical characteristics of the Hebrew language and the various literary forms of the Bible are closely examined. This done, various parts of the Bible best illustrating these forms and characteristics are critically studied and drawn out in their proper literary form. As sound literary criticism is based on a thoro study of the thought and thought-connections, the literary study of the Bible proves in practice a very valuable aid to interpretation. It is for this reason, especially, that it is included in the course. The text book used as a basis is Moulton's Literary Study of the Bible, and special study is made of the book of Job, certain of the Psalms and selections from the prophets.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

5. **The Social Teachings of the Bible.**— PROFESSOR MCRAE
This course includes a survey of the social teachings of Christ, the apostles, the prophets and the Mosaic code. The object is to form a just estimate of the social message of the Bible and to apply, as far as may be, its social principles to the solution of current social problems. It is based mainly on Josiah Strong's Studies in Social Christianity, supplemented

by wide collateral reading in the works of Raushenbush, Peabody, Mathews, Schenck, Brace, Keble (collection of lectures) and other works that seek to interpret and apply the social message of Christianity.

Prerequisite, courses 1 and 2. One year, two hours a week, four credits.

6. **Inter-Testament History.**— PROFESSOR WALLACE
This course is intended (1) to trace the history of the Jews from Malachi to John the Baptist under the Persians, Greeks, Maccabees and Romans; (2) to trace the rise of the various Jewish sects. A knowledge of the outward political fortunes of the Jews, as well as the movement of Jewish thought in this period is of great importance for an intelligent understanding of the ministry of Christ and His apostles.

Prerequisite, courses 1 and 2. Second semester, two hours a week, two credits.

7. **Oriental History contemporary with the Old Testament.**— PROFESSOR WALLACE
This course includes (1) a study of the history and religion of Babylonia, Assyria and Egypt; (2) the relation of this material to the explication of Old Testament history. The course is based on the histories of Winckler, Rogers, McCurdy and others.

Prerequisite, courses 1 and 2. Second semester of alternate years, two hours a week, two credits.

8. **Biblical Pedagogy and Sunday School Work.**— PROFESSOR WALLACE
This course includes: (1) a study of Jesus as a teacher—a careful consideration of the question, What made Him the Master Teacher of all time?—His mastery of the technique of educational methods as illustrated in the four Gospels; (2) methods of Bible study, teaching and of Sunday school work; (3) the influence of Christianity on the world's education. It is based mainly on the Master and His method (Griffith-Jones), Jesus as a Teacher (Hinsdale), The Making of the Teacher (Brumbaugh), Teacher Training with the Master Teacher (Beardslie), supplemented by lectures.

Second semester, two hours a week, two credits.

9. **Review of Old Testament History.**— PROFESSOR WALLACE
This is offered in lieu of course 1 to college students who have

had little or no opportunity of pursuing a consecutive study of Old Testament history before entering college. The history of Israel is pursued from the founding of the kingdom under Samuel till the fall of Jerusalem.

One year, two hours a week, four credits.

10. Apologetics.— PROFESSOR MCRAE

This course aims chiefly at three things.

First, a brief exposition of Christian theism and an exhibition of its superiority in philosophy and in practice to the various opposing theories: deism, pantheism, materialism and agnosticism.

Second, a summary of the argument for historical Christianity and an examination of criticisms and objections, especially those of our own day.

Third, a rapid survey of the field of comparative religions with special reference to Hinduism, Buddhism, Zoroastrianism and Confucianism.

First semester, three hours a week, three credits.

11. The Philosophy of Religion.— PROFESSOR MCRAE

This course is supplementary to the course in apologetics. It aims to exhibit and defend a philosophic conception in harmony with the Christian religion.

Prerequisite, course 10. Second semester, three hours a week, three credits.

12. International Lessons.— PROFESSOR WALLACE

A course in the International Sunday School lessons. The aim of this course is to study the setting of the lesson, make careful analysis of the materials and discuss the pedagogical teaching of the lesson.

One year, one hour a week, two credits.

13. Missions.

The Home Base and Latin America.—The "Home Base" deals with the responsibility of the church to foreign missions, the resources of the church, missionary giving, and a general educational church policy. The study of Latin America includes the character of the countries, races, languages, religions, governments, explorations, pioneer mission work, international and immigration possibilities, and present missionary operations. Lectures and text books.

First semester, two hours a week.

Africa.—This study of Africa will include the character of the continent, races, languages, religions, political divisions, explorations, international relationships, pioneer mission work and present missionary enterprises. The basis for this course will be Jean Mackenzie's "African Trail." Lecture and text book plan.

Second semester, two hours a week.

14. The Bible by Periods.—

This course is a structural study of the Bible, designed to give to the student a comprehensible grasp of Bible content, and an understanding of God's progressive plan to reveal himself to the world. A careful tracing of the main Bible themes is made, and a background arranged for later synthetic and analytic Bible study. It is based on the various outline works—Oliver, Hurlburt, etc., and on Sells' "Bible Study Periods."

Second semester, two hours a week.

15. Hebrew.—

If there is sufficient demand for it, instruction will be given in the elements of Hebrew.

Other courses for which credit is given in the Bible Training Department are:—

Greek 9, Greek Testament.
Mental Science and Philosophy 2 and 11.
History 3, The Reformation Period.

Equipment.—This department is equipped with

1. The Kent and Madsen wall maps.
2. The large relief map of Palestine, 8 x 5 feet, published by the Palestine Exploration Society of London.
3. The relief map of Jerusalem and its environs, 4½ x 4 feet.
4. A missionary map of the world, 5 x 9 feet.
5. A chart, 22 x 3 feet, of ancient synchronological history.
6. Religious literature embracing over one thousand volumes.
7. The Thompson Reflectoscope and Stereopticon.

Social and Political Science

PROFESSOR DAVIS AND MISS CRIST

The aim of this department is to acquaint the student as far as possible with the whole field of social life and activity.

All the courses may be counted toward a major or minor except 1 and 11, which can only be counted toward a minor. Only three credits will be allowed for courses 1 or 11 if taken in the senior year.

A. Sociology

1. General Principles.—
Under this head are included the history, various theories and principles of the science. Important aims are to show the extent of the field, to arouse an interest in the study, and to correct methods of sociological investigation. "Outlines of Sociology" by Blackmar and Gillin will be used as a text book, but other systems will be presented and discussed.

Prerequisite, twenty-four credits. First semester, four hours a week, four credits.

2. Modern Social Problems.—
A study of the family, growth of population, the modern city, crime, poverty, etc.

Prerequisite, course 1. First semester, three hours a week, three credits.

3. History of Socialism.—
This course will include, (1) the social views of the ancient nations; (2) the ideal republics from Plato down to the present; (3) modern socialistic schemes.

Prerequisite, course 1. Second semester, three hours a week, three credits.

B. Economics

11. General Principles.—
A general survey is taken of the history, theories and generally accepted principles of the science. The latest edition of "Outlines of Economics," by Ely, will be used, supplemented by collateral studies in Adam Smith, Mill, Ricardo, Taussig, etc.

Prerequisite, twenty-four credits. Second semester, four hours a week, four credits.

12. History of Economic Theory.—
This course will trace the development of economic thought in the principal nations of Europe and America, especially in relation to philosophy and conditions of environment. The histories of Haney, Ingram and Gide will be used for reference.

Prerequisite, course 11. First semester, three hours a week, three credits.

13. Financial History of the United States.—
An historical study of public revenues and expenditures, of public debts and of currency and banking in the United States. Special attention is paid to government reports.

Prerequisite, course 11. Second semester, three hours a week, three credits. Not offered 1917-1918.

14. Business Organization.—
A study of the evolution and nature of business organization, particularly in the United States, and of proposed solutions for the corporation and trust problems.

Prerequisite, course 11. First semester, three hours a week, three credits.

15. The Credit System.—
A study of the present forms of credit and their social and economic significance.

Prerequisite, course 11. First semester, three hours a week, three credits.

16. Elements of Bookkeeping and Accounting.— MISS CRIST
One semester, five hours a week, three credits.

C. Political Science

31. Elements of Political Science.—
The aim is to trace clearly the great and distinctive features in the governments of Europe and of the United States. Professor Gettell's "Introduction to Political Science" will be used as a basis of study.

Prerequisite, course 1. Second semester, three hours a week, three credits.

32. The Progress of Democracy.—
A study in the historical development of democracy from the standpoint of industry, of politics, and of education.

Prerequisite, course 1. First semester, three hours a week, three credits.

D. Legal Science

41. Roman Private Law.—
The object is to acquaint the student with (1) the origin and development of Roman law; (2) its relation to modern systems of State Law.

Prerequisite, course 1. First semester, three hours a week, three credits.

42. International Law.—
A brief course in the outlines of this important subject, offered to meet the increasing interest in international questions.

Prerequisite, course 1. Second semester, three hours a week, three credits.

43. Elements of Jurisprudence.—
Holland's "Jurisprudence" is used. The general subjects considered are Laws and Rights, Private, Public and Adjective Law, the object being to acquaint the student with the principles of fundamental law in their historical development and their practical application to the several phases of social life.

Prerequisite, course 41. Second semester, three hours a week, three credits.

Physical Education

(Men)
ADJUNCT PROFESSOR THACKER

1. Personal Hygiene.—
Lectures on the biological aspects of development of the body, the relation of recreation and training to growth and function of the different organs, hygiene of digestion, respiration, with special attention to corrective measures in overcoming improper position in standing and walking and care of the proper growth of the feet.

First semester, one hour a week, one credit on completion of course 2. Required of all men of the freshman class.

2. Physical Training.—
Light apparatus, calisthenics, gymnastic games in which individuals will be given an opportunity to lead and conduct classes under supervision. Those who care to do so will be given an opportunity to take up the heavier apparatus work and tumbling. Required of freshmen and sophomores from Thanksgiving to Easter.

Two hours a week, no credit.

3. Coaches, or Teachers' Course.—
For those upper classmen who expect to teach and have the supervision of athletics or physical training in high schools. All of the common athletic games will be taken up with the idea of their adaptation to the needs of those of high school age.

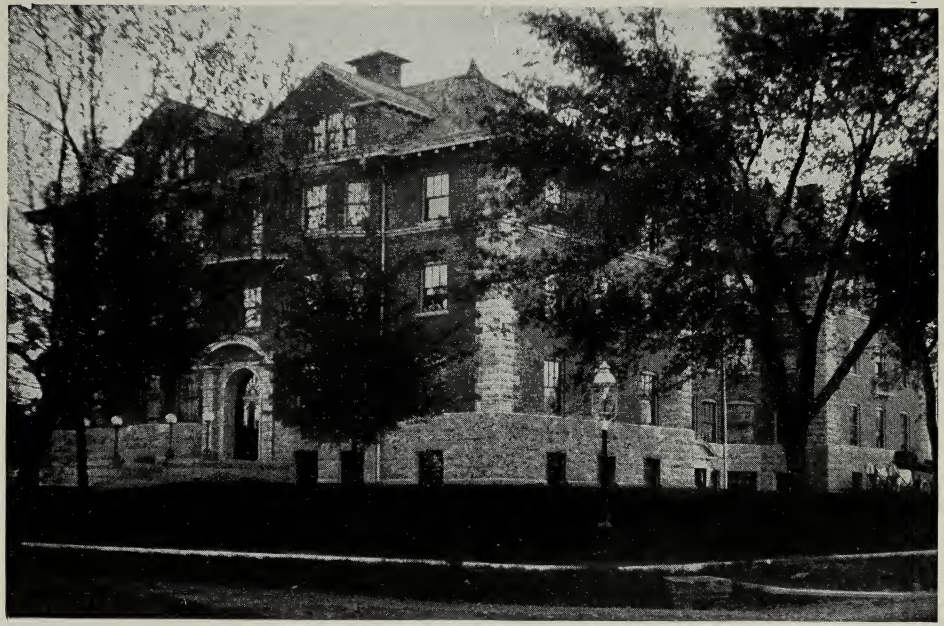
(Women)

ADJUNCT PROFESSOR WHITRIDGE

1. **Personal Hygiene.—**
Short talks on the functions of the skin, the physiologic effects of water, hot and cold; bathing; care of the face; care of the hair, the hands, the feet; care of the mouth and teeth and their relation to good digestion; over-eating and intestinal indigestion; fresh air; ventilation of bed rooms; care of the ears, throat and nose; deep breathing; the foot and the shoe; dress.

2. **Physical Training.—**
1. Corrective exercises.—Walking, standing and sitting. Elementary work in stall bars, Indian clubs, bar bells, and bounding balls.
2. Parallel bars, ladder and incline rope.
3. Folk dancing.

Required, freshmen, one year, two hours a week, one credit.



WALLACE HALL, WOMEN'S DORMITORY

Macalester College
Conservatory of Music

N. W. Phone, Midway 2656
Wallace Hall, Summit and Macalester Avenues

HARRY PHILLIPS
Director of Conservatory

MABEL R. REED
Secretary

Faculty

HARRY PHILLIPS, Mus. M., Director*
Voice Culture.

GEORGE HERBERT FAIRCLOUGH,* Mus. M.
Piano, Organ, Theory.

A. PEPINSKY,*
Violin, Viola, Ensemble.

HELEN E. BRIGGS,*
Piano, Normal.

ANNA D. McCLOUD*
Voice.

EMILY GRACE KAY,*
Piano, Public School, Harmony.

BESSIE A. GODKIN,†
Piano.

LOUIS JACOBI,†
Assistant in Violin.

MYRTLE WEED,†
Piano.

CHARLOTTE BURLINGTON,†
Piano.

MABEL R. REED,†
Piano

MARGARET MOUNT,†
Assistant in Piano.

LEONARDO DE LORENZO,*
Flute.

J. GRANT DENT,†
Cello.

JENNIE STANLEY HODGMAN,*
History of Fine Arts.

EMMA GREENE,†
Guitar, Banjo, Mandolin, Ukulele.

WALTER LIENKE,†
Cornet.

Leading instructors for all other instruments.
*American and European education.
†American education.

Course of Study

The Conservatory of Music offers a thoro course of instruction in voice, piano, organ, violin and other stringed instruments; also a theoretical course including harmony, counterpoint, composition, musical history and analysis. In each branch of musical study a systematic course, leading to graduation, will be pursued. Time required for completion varies—the length of course depending on the pupil's ability and intelligent devotion to work.

Entrance.—Pupils who expect to graduate must enter at the beginning of the school year. Those not wishing to graduate may enter at any time in the year.

Upon entrance pupils are examined, classified and placed in their fitting grade, by the director.

Teacher's Certificate.—Teachers' certificates will be given to all pupils who have taken the Normal course and completed the junior year in full to the satisfaction of their individual teachers.

Diploma from the Conservatory of Music.—A student, to receive a diploma, must have completed the work of the senior year in full, written a graduating thesis, given a whole or such part of a program as the director may decide upon, and taken part in the graduating program of the Conservatory of Music.

Diploma with the Degree of Bachelor of Music.—Candidates for the degree of Bachelor of Music are required to take at least fifty semester hours of strictly college work (including history of art and physical training) and at least seventy hours of music. All college entrance requirements must be met and the credits for them presented to the Registrar of the College. Exceptions to the general graduation requirements, in the case of candidates for this degree, are a requirement of eight credits in religious education and of at least two years of a modern language in college. Such as have no modern foreign language upon entering must take three years of such language in college. Students electing Voice are strongly urged to take two years each of French and German.

The following college subjects are required for this degree: English, six credits; Religious Education, eight credits; Modern Foreign Language, fourteen credits (if deficient at entrance, three years); History of Art, four credits; Physics 6, two credits. In addition to the above required credits, electives sufficient to make a total of fifty credits.

Music subjects are required as follows: Harmony, Counterpoint, Composition, and Orchestration, sixteen credits; History of

Music, eight credits; Appreciation, four credits. In addition to the above there are required a major of twenty credits, and a minor of twelve credits. Electives may be chosen from Voice, Organ, Piano, Violin, Public School Music, to complete the requisite number of credits.

In order to make such a course profitable, it is naturally required that the student give evidence at entrance of a sufficient preparation in some branch of music.

State music teachers' examinations must be taken by all pupils who wish to graduate in voice, piano, violin, pipe organ or public school music. These examinations will be given the last week in May of each year. In preparation for these examinations quizzes are given semi-monthly.

Special courses are offered those living in the city who do not wish to take the regular course.

Music as a College Elective.—Music, instrumental or vocal, may be taken as an elective in the junior and senior years of college work, provided the student is sufficiently proficient to do advanced work. A minimum of six hours a week must be devoted to the study, and it will not be credited for more than two hours per week. The fitness of the student to take up this elective will be determined by examination, and the expense of the instruction must be borne by the student.

Voice

In the department of vocal music, those methods which experience justifies as being at once effective and artistic in their results have been adopted. It is the policy to secure a systematic and thoro culture on the basis of the best methods.

Undisciplined voices require the utmost care and attention at the very commencement of training; therefore, if the future voice is to be at all agreeable and pleasant, the preliminary work must be perfectly mastered before proceeding further.

Intermediate Year.—Vocalises by Sieber, Concone, and the study of songs, ballads by Larsen, Grieg, Buck, Gounod and others, makes the first year's work complete.

Junior Year.—Studies in phrasing and rapid execution, German Songs by Mozart, Schubert, Schumann, Liszt, Franz, Beethoven, etc., also some of the lighter selections from the operas.

Senior Year.—Oratorio in all forms, Bach, Haydn, Handel, Mendelssohn, Gounod, Verdi. Selections from the heavier operas

and songs of the modern school. Frank, Wolf, Homer, Tours, Massenet, Dvorak, Ronald, Nevin, Ganz.

Every student graduating in vocal music must have at least one year of German.

Graduate Course.—Aims to develop the artistic sense to a still greater degree, according to art traditions.

Pianoforte

Individual instruction is given and the regular course calls for one hour's instruction a week, divided into two lessons of thirty minutes each. Where but one lesson a week is taken, the lesson will be forty-five minutes in length.

Preparatory.—Thoro grounding in hand, finger and arm training. Rudiments of music. Easier studies to suit capabilities of each pupil. Pupils are thoroly prepared for the entrance into the three years' course.

Intermediate.—Czerny, Velocity Studies; Bertini, Loeschorn, Heller, etc.; Bach—Little Preludes and Fugues; Sonatinas and Easy Sonatas.

Junior Year.—Czerny, Op. 740; Cramer-Bulow, Fifty Selected Studies; Heller, MacDowell, etc.; Bach—Two- or Three-Part Inventions, French Suites; Sonatas of Mozart, Haydn and Beethoven.

Senior Year.—Clementi, Tausig, Gradus ad Parnassum, Czerny, Op. 740, Chopin Etudes, Kullak Octave School, Bach's Forty-eight Preludes and Fugues; Sonatas and Concertos of Beethoven and other masters. Repertoire from classical and modern composers.

In each grade, suitable pieces will be given as the pupil is ready for them.

Postgraduate.—Advanced work. Continuation of previous year. Concertos (with second piano or orchestra accompaniments).

Violin

The violin department has become a leading feature in the musical life of all conservatories. Year by year the number of violin students is increasing. To keep pace with the demands of the time, this department of our school has been developed until today it presents exceptional advantages for the study of what is called "the most perfect musical instrument known."

The violin course is not expected to be followed strictly, nor does it claim to be complete. In the private lessons each pupil can be favored with studies which suit his or her special requirements. With the technical course a selection of compositions from the whole range of violin literature up to the present time will be used. These will be chosen from the representative composers of the different periods and schools, with the intention of giving the pupils a knowledge of the individual interpretation of each kind.

Scales, bow and finger exercises will be used as needed to meet the requirements of the various pupils.

Pipe Organ

Before beginning the study of the pipe organ the student should have had at least one year's instruction on the piano and should have a thoro knowledge of the rudiments of music.

Public School Music

This is a two-year course. Entrance to the course requires that the student have a diploma from an accredited high school. Under certain conditions, this course may form a portion of the work for the regular diploma of the Conservatory of Music.

First Year.—The following subjects are required: Sight-singing, Ear Training, Voice Culture, History of Education, Psychology, Harmony 1, a modern language or its equivalent, Piano, unless able to play third grade music, in which case candidate may be excused from further study of that instrument. It is very desirable that a student be able to teach some high school subject or drawing in connection with Public School Music.

Second Year.—The following subjects are required:

a. Sight-singing, Ear Training, Harmony 2, History of Music, Appreciation of Music, Piano, unless able to play third grade music, a modern language or its equivalent.

b. School room teaching, five periods weekly.

The study of voice will be required of pupils in public school music to meet this demand.

Sight Reading

All pupils of vocal music must have at least one year of sight reading before receiving either a teacher's certificate or diploma. The cost of these lessons will be nominal. It is impossible to sing

correctly and effectively at all times without an exact and practical knowledge of music and its notations.

Normal Training Courses

The demand of the times is for musicians equipped not only technically, but also in the art of imparting instruction. These courses in Piano, Voice and Violin are designed to meet such demands and to give young teachers valuable assurance.

Ensemble

The study of chamber music is a very important one to the advanced student of any instrument. The impetus to more thoro practice, mental activity, development of rhythm and color, and an insight into this particularly rich field of musical text, is of untold value. Both classic and modern music is studied. Students who come mainly for the study of piano, violin or any other instrument should, if possible, arrange for some work in this line.

Harmony

The "Upton" system of key-board harmony will be used. Harmony study is too apt to be purely theoretical and therefore of comparatively slight value to the average student. Believing that a course has been found that will be first, last and always of practical value to the performer, since all the work is done at the instrument, we are offering this advantage to our students. Results obtained in other institutions substantiate all the claims made for the system. The student uses with fluency all the triads and seventh chords, modulates to all keys with ease, is familiar with altered chords, and suspensions, in short with all the subjects covered in any harmony course. He is enabled to transpose music as easily as he plays it in the original key. As memorizing is a great feature of the course it becomes an easy and natural process. Very young children are enabled by this course to produce compositions of real merit.

Theory

The importance of exhaustive and thoro work in the various theoretical studies cannot be too strongly emphasized. A rudimentary or fundamental course should precede ear training, sight singing, harmony, analysis, counterpoint (simple and double), canon and fugue (the supreme contrapuntal forms), orchestration and composition.

Appreciation of Music

First Year.—This is a study of the form and meaning of music and follows closely the text used, "Appreciation of Music" and Supplement, by Surette and Mason. A preliminary study of the instruments of the orchestra is given, preparatory to the concerts of the Minneapolis Symphony Orchestra, which our students are encouraged to attend. Required for graduation from Conservatory of Music.

Second Year.—This is a continuation of Appreciation of Music 1, and is a thoro study of Romantic and Modern forms since the time of Beethoven. The study is based on "Appreciation of Music," volume 2, by Surette and Mason, and "What We Hear in Music" by Faulkner. Talking machine records are freely used. Required for graduation from the Conservatory of Music.

History of Music

First Year.—Study of beginnings of music thru the Classical Period, including the history and development of instruments. The text-book used is "Essentials in Music History," Tapper and Goetschius. The College library has a good collection of reference works on music and our students have access to the fine collections in the public libraries of St. Paul and Minneapolis. A trip is made annually to the Raudenbush piano factory in St. Paul to see the process of making a piano. Required for graduation from Conservatory of Music.

Second Year.—This is a continuation of History 1, studying the development of music from the Romantic Period to our own day. By means of the talking machine records many operas, oratorios, symphonies, songs and piano compositions are studied. Required for graduation from Conservatory of Music.

History of Fine Arts

The study of the allied arts is of great cultural advantage to the musician in the development of artistic tastes. Instruction in the way of weekly illustrated lectures is given by Mrs. Hodgman.

Student Recitals

These opportunities for public performance are helpful in overcoming natural diffidence and nervousness, and in giving that confidence and poise so necessary to the successful player and singer.

Pupils also gain an ever-increasing knowledge of musical text, aside from that with which they come in contact in their own study. The instructors allow only such students as have reached a certain degree of proficiency to appear in recital.

Musical Organizations

Orchestra.—A college orchestra, composed of students under the leadership of A. Pepinsky, an experienced musician in college musical life, is open to all students at a nominal fee of one dollar a year.

The orchestra is composed of those students who play orchestral instruments and covet the pleasure and benefits of orchestra experience. They meet once each week for rehearsal and are frequently called upon to furnish music on public occasions. A good class of music, reflecting in a measure the tastes and spirit of the performers, is studied, due attention being paid to the technical details necessary as a basis for an adequate musical interpretation. Thus the work is systematic and progressive, aiming, as it does, to instruct as well as entertain.

Euterpean Society.—A conservatory organization which brings the pupils together for social and musical recreation. Its object is to create good fellowship and musical development. The programs are varied and interesting. Students receive admission into this society by invitation. The dues are fifty cents a semester.

Terms for Instruction

Per Semester

Tuition prices vary with the grade and the teacher.

Voice	$100.00 to $30.00
Piano	63.00 to 22.00
Pipe Organ	72.00 to 45.00
Violin	72.00 to 20.00
Ensemble	25.00
Harmony	20.00
History of Music	6.00
Appreciation of Music	5.00
Public School Music	35.00
Normal Training	35.00
Sight Reading	4.50

Piano Practice, per hour	$4.50	Organ Practice, per hour	12.00
Incidental Fee	.50	Cost of Graduation	10.00

College fees for conservatory students taking college work are paid at the beginning of each semester before completion of registration and strictly in advance, as follows:—

Tuition (five to eight hours per week)..... $20.00

Discount will be allowed on tuition bills for two or more studies paid a year in advance.

Honorary Degrees

Conferred by Macalester College

1901: D. D. to Rev. Charles Thayer, Ph. D.....Deceased
D. D. to Rev. George W. Davis, Ph. D...St. Paul, Minn.

1902: D. D. to Rev. H. F. Stilwell.....St. Paul, Minn.
D. D. to Rev. J. Le Moyne Danner.....Indianapolis, Ind.
LL. D. to Hon. Thomas Wilson.....Deceased

1903: D. D. to Rev. Joseph Cochran, Macalester, '89.....
.....Philadelphia, Pa.

1904: D. D. to Rev. Stanley B. Roberts.....Minneapolis, Minn.
M. A. to Myron A. Clark, Macalester, '90.....
.....Coimbra, Portugal

1905: D. D. to Rev. Charles F. Hubbard.....Auburn, N. Y.

1906: D. D. to Rev. Donald D. McKay.....Tacoma, Wash.

1907: D. D. to Rev. Archibald Cardle, Macalester, '94.....
.....Burlington, Iowa

1910: D. D. to Rev. Charles T. Burnley.....Deceased
D. D. to Rev. Alfred E. Driscoll.....Ashland, Wis.
D. D. to Rev. William Porter Lee, Macalester, '89.....
.....Germantown, Pa.
D. D. to Rev. Harry Clinton Schuler, Macalester, '95....
.....Resht, Persia
D. D. to Rev. John Hansen Sellie, Macalester, '95.....
.....Buffalo, Minn.

1911: D. D. to Rev. Charles Allen Clark, Macalester, '99.....
.....Seoul, Korea
LL. D. to Rev. Albert Brainerd Marshall, D. D.....
..... Omaha, Neb.
LL. D. to Rev. George Livingstone Robinson, Ph. D., D. D.
.....Chicago, Ill.

1914: D. D. to Rev. George Ewing Davies..Salt Lake City, Utah
D. D. to Rev. Joseph Carle Robinson.....
.....White Bear Lake, Minn.
LL. D. to Hon. James Jerome Hill..... Deceased

1915: Litt. D. to Rev. John Wright.....St. Paul, Minn.
D. D. to Rev. William C. Laube '01 .....Dubuque, Ia.

1916: Mus. M. to Harry Phillips.....Minneapolis, Minn.
Mus. M. to George H. Fairclough .....St. Paul, Minn.

Alumni

Alumni Association

It will be esteemed a favor if each alumnus who changes his residence will notify the President of his new address. Information from any source that will assist in keeping this roll complete will be appreciated.

The Alumni Association of Macalester College has two purposes in view: to bind into a unit the graduate body and help to preserve and increase the value of the friendships formed in College, and to further the interests of the Alma Mater and make her more widely known. Communications to the Alumni Association should be sent to the college.

Officers

W. M. Hobart.....President
H. D. Funk.....Vice-President
Mrs. W. H. Kindy.....Secretary
Isabelle Elmer.....Treasurer

Roll of Alumni

Class of 1889

George Washington Achard.....Business, Minneapolis, Minn.
Joseph Wilson Cochran.....Minister, Philadelphia, Pa.
Ulysses Grant Evans.....Minister, Blairstown, Iowa
James Chase Hambleton.....Teacher, Columbus, Ohio
Benjamin Wallace Irvin.....Deceased
Samuel M. Kirkwood.....Surgeon, Absarokee, Mont.
William Porter Lee.....Minister, Germantown, Pa.
Paul Erskine McCurdy.....Business, Philadelphia, Pa.
Louis Ferdinand Slagle.....Deceased
Charles Albert Winter.....Deceased

Class of 1890

Myron A. Clark.....National Sec. Y. M. C. A., Coimbra, Portugal
Thaddeus T. Cresswell..... Minister, Eagle Rock, Cal.
John Knox Hall.....Missionary, Denver, Colo.
William Henry Humphrey.....Deceased
William Paul Kirkwood.....Professor, U. of M., St. Paul, Minn.
Amos Avery Randall.....Deceased
Judson L. Underwood.....Missionary, Ashland, Kan.

Class of 1891

Frank Brown.....Principal, Chicago, Ill.
Walter F. Finch.....Minister, Minneapolis, Minn.
Walfred Sunberg.....Deceased
William B. Turner.....Business, Boston, Mass.
Thomas C. Williamson.....Business, Winnebago, Minn.

Class of 1893

James Carlisle Simonton.....Business, Minneapolis, Minn.
Joseph Zoll..... Address unknown.

Class of 1894

Francis W. Beidler.....Minister, Blanca, Colo.
Archibald Cardle.....Minister, Burlington, Iowa.
Paul A. Ewert.....Attorney, Joplin, Mo.
George E. Johnson.....Business, Sayre, Okla.
Samuel M. Marsh.....Minister, Brown's Valley, Minn.
William H. Sinclair.....Minister, Clarksville, Iowa

Class of 1895

Frank E. Balcome.....Physician, St. Paul, Minn.
John W. Christianson.....Minister, Veblin, S. D.
Thomas Fitz-Morris Clark.....Deceased
Charles D. Darling.....Minister, Roswell, N. M.
Edwin Howard Gordon.....Deceased
Harry Clinton Schuler.....Missionary, Resht, Persia
John Hansen Sellie.....Minister, Buffalo, Minn.
Arthur Whitney Vance...City Editor, Daily News, St. Paul, Minn.

Class of 1896

Alexander Edward Cance, Prof., Mass. Agr. College, Amherst, Mass.
Moses M. Maxwell.....Deceased.
Samuel F. Sharp.....Minister, Exeter, Ontario, Can.

Class of 1897

Albert Ernest Evans.....Minister, Sunset, Wash.
Charles W. Hansen.....Deceased
Ernest Charles Henke.....Minister, Baraboo, Wis.
George Leck.....Deceased
John McLearie, Professor, State School of Mines, Rapid City, S. D.
Winifred Moore-Mace.....Walton, N. Y.
Arthur A. Palmer.....Minister, Newberg, Ore.
Charles Petran.....Missionary, Mexico City, Mexico
Louis B. Sherwin.....Minister, Two Harbors, Minn.
William K. Sherwin.....Teacher, Barnum, Minn.
Arthur G. Welbon.....Missionary, Andong, Korea

Class of 1898

Clarence Dwight Baker.....Deceased
Charles Warren Dade.....Business, Rugby, N. D.
Anna Moore Dickson.....Teacher, St. Paul, Minn.
Caspar Gregory Dickson...Clerk National Library, Washington
Nellie M. Flanders-Sherwin.....Barnum, Minn.
John M. Guise.....Principal, St. Paul, Minn.
Carlton Leslie Koons.....Minister, Ashland, Wis.
Robert C. Mitchell.....Minister, Estherville, Iowa
William James Mitchell.....Minister, Grandview, Wash.
David Walter Morgan.....Minister, Nioto, Ill.

Class of 1899

Hugh S. Alexander..Professor, Macalester College, St. Paul, Minn.
Walter Baker Augur.....Minister, Jasper, Minn.
Charles Allen Clark.....Missionary, Seoul, Korea
Ralph Elmo Clark.....Teacher, Calgary, Alberta, Can.
Paul Doeltz.....Missionary, Iloilo, Philippine Islands
George C. Edson.....Minister, Hasbrouck Heights, N. J.
Thomas George Jamieson.....Business, Calgary, Can.
Almira F. Lewis.....Denver, Colo.
Robert Morris Lutz..... Business, San Rafael, Cal.
James Murray.....Minister, Othello, Wash.
Samuel Merton Pinney.... Superintendent, Montgomery, Minn.
Jacob Elmer Smits.....Deceased
George Stanley.....Minister, Bloomington, Minn.
Murray Alberton Travis.....Minister, Collegeport, Texas

Class of 1900

John Calvin Abels.....Minister, Cristobal, Canal Zone
Miles Strong Grimes.....Minister, White Salmon, Wash.
Ralph Emerson Herron.....Business, Tucson, Ariz.
John Robert Landsborough.....Minister, Oregon City, Ore.
Ernest A. Oldenburg.....Minister, Hastings, Minn.
Mathilde Pederson-Romunstaad.....Deceased
Irving David Roach.....Business, Azusa, Cal.
William James Sharp.....Minister, Ellensburg, Wash.
Roy Walker Smits.....Deceased
David A. Thompson.....Minister, Portland, Ore.

Class of 1901

William Beckering.....Deceased
Louis Benes.....Minister, Armour, S. D.
Henry Roy Bitzing.....Lawyer, Mandan, N. D.
Percy Porter Brush.....Lawyer, Kelso, Wash.
Charles Morrow Farney.....Business, St. Paul, Minn.
Henry D. Funk.....Professor, Macalester College, St. Paul, Minn.
Nathaniel E. Hoy.....Meadow, S. D.
Lewis Hughes.....Teacher, Ottawa, Minn.
Richard U. Jones....Professor, Macalester College, St. Paul, Minn.
William C. Laube.....Professor, Presb. Sem., Dubuque, Iowa
Millicent V. Mahlum-Kelts.....Newton, Kan.
William H. Travis.....
Pres. Gulf Coast University of Industrial Arts, Collegeport, Tex.
Lily Bell Watson.....Macomb, Ill.

Class of 1902

Frederick Brown.....Deceased
Robert L. Davidson.....Teacher, Kent, Wash.
Sarah A. Haines-Corsan.....Seattle, Wash.
Grace Iddings-Fletcher.....Grand Forks, N. D.
Leonard L. Mann.....Minister, Ipswich, S. D.
Francis H. Newton.....Minister, Creston, Wash.
Winifred R. Pringle-Weber.....Coeur d'Alene, Idaho
Edgar E. Sharp.....Lawyer, Moorhead, Minn.
Benjamin Bruce Wallace, Instructor, N. W. University, Evanston, Ill.
Helen Margaret Wallace-Davies.....Chicago, Ill.

Class of 1903

John Morton Davies.....Minister, Chicago, Ill.

Bessie Shepherd Doig-Jacobson.....Knoxville, Iowa
Julia Anita Elmer.....Teacher, St. Paul, Minn.
Peter Erickson.....Minister, Minot, N. D.
Ebenezer Thomas Ferry.....Minister, Fergus Falls, Minn.
Emma Inez Godward-Davies.....St. Paul, Neb.
Robert McMaster Hood.....Minister, Manteca, Cal.
Peter Westin Jacobson.....Minister, Knoxville, Iowa
Raymond Lewis Kilpatrick.....Engineer, Sulzer, Alaska
Donald Norman MacRae.....Minister, Mitchell, Ont.
Henry Morgan.....St. Paul, Minn.
Joseph E. Rankin.....Minister, Howard Lake, Minn.
Mary J. Rankin.....Missionary Teacher, Sneedville, Tenn.
Max M. Wiles.....Minister, Virginia, Ill.
William H. Weber.....Business, Coeur d'Alene, Idaho

Class of 1904

Grace Ivanore Chapin-Sharp.....Moorhead, Minn.
Peter Arthur Davies.....Minister, St. Paul, Neb.
Thomas Hunter Dickson.....Physician, St. Paul, Minn.
Margaret Evans-Detweiler.....Santurce, Porto Rico
William Horatio Kendall.....Minister, Farmington, Ill.
Alfred Edward Koenig....Instructor, U. of Wis., Madison, Wis.
William Oliver Rothney.....Inspector of Schools, Quebec, Can.
Henry John Voskuil.....Missionary, Amoy, China
Tolbert Watson.....Physician, Albany, Minn.
Mabel Wicker.....Teacher, Rush City, Minn.

Class of 1905

John Thomas Anderson.....Minister, Reading, Minn.
Earl Kenneth Bitzing.....Editor, Mandan, N. D.
Eugene Erwin Bromley.....Minister, Cosmopolis, Wash.
Isabelle Allison Elmer.....St. Paul, Minn.
Asa John Ferry.....Minister, Philadelphia, Pa.
Thomas Edwin Flinn.....Physician, Redwood Falls, Minn.
Ledru Otway Geib.....Physician, Detroit, Mich.
Mary Carnahan Guy-Shellman....Missionary, Pitsanuloke, Siam
Marie Grace Jamieson-Smith.....Lewisville, Ind.
Daniel Griffin Le Fever.....Business, Minneapolis, Minn.
James Albert Slack.....Minister, Powell, Wyo.
Robert Owens Thomas.....Chicago, Ill.
Jane Turnbull.....Teacher, Hutchinson, Minn.

Class of 1906

Levi H. Beeler.....Winthrop College, Rock Hill, S. C.
James Ekin Detweiler.....Missionary, Yamada, Japan
James Hamilton.....Minister, Hebron, Neb.
Roscoe Cliver Higbee .....Principal, St. Paul, Minn.
Alexander Hood.....Missionary, North Fork, Cal.
Albert Kuhn.....Professor, Presby. Sem., Dubuque, Iowa
Paul H. Th. Rusterholz..... Minneapolis, Minn.
Ruth Estelle Swasey-Rusterholz..... Minneapolis, Minn.
Gordon Graham Thompson.....Physician, Seattle, Wash.
Frank Harvey Throop.....Missionary, Soo Chow, China
Margaret Turnbull.....St. Paul, Minn.

Class of 1907

William Harvey Amos.....Minister, Ida Grove, Iowa
James Albert Caldwell.....Principal, Tower City, N. D.
Robert W. Davies .....Business, Minneapolis, Minn.
Josephine Elmer-Ballou.....Rochester, Minn.
Marshall Gregory Findley.....Business, New York City
Richard David Hughes.....Minister, Chicago, Ill.
Martha Antoinette Jacobson-Maitrejean.....St. Paul, Minn.
Henrietta Cecelia Lundstrom.....Teacher, Morris, Minn.
Rose Amelia Metzger-Nutt.....Sidney, Mont.
David McMartin.....Minister, Leadville, Colo.
Rhoda Catherine MacKenzie.....Nurse, San Francisco, Cal.
Richard Samuel Nutt .....Banker, Sidney, Mont.
Ole Johnson Oie.....President Theo. School, Christiania, Norway
William Fred Pottsmith.....Minister, Ellsworth, Wash.
Mary Pauline Payne-Healy.....Mapleton, Minn.
Minerva Schlichting.....Deceased
Ruth Adelia Sherrill.....Teacher, Blue Earth, Minn.
Mary Helen Smith-Jones.....St. Paul. Minn.
George Hill Smith.....Business, Excelsior, Minn.

Class of 1908

George Kemp Aiken.....Editor, Ontario, Ore.
Hanna Sophia Berg.....Teacher, Rush City, Minn.
Ralph Brinks.....Lake Benton, Minn.
Richard Stanley Brown.....Minister, Fairgrove, Mich.
Edith Frederica Cale.....Deceased
Clifford Clement Cornwell.....Minister, Sherman, N. Y.

Evan Milton Evans.....Lawyer, Middle River, Minn.
Rosella Evans-Griffith.....Ottawa, Minn.
James Todd Guy.....Lawyer, Milwaukee, Wis.
Mary Elizabeth Guy-Wallace.....Zumbrota, Minn.
Walter Mell Hobart.....Business, Minneapolis, Minn.
Lucy Ma Belle Hyslop-Flinn.....Redwood Falls, Minn.
Nina Foy Johnson-Wallace.....Roseburg, Ore.
Margaret Edith Lakey-McDonald.....Walhalla, N. D.
Peter McEwen.....Minister, Earl Park, Ind.
Luke Edward Marvin.....Business, Duluth, Minn.
Martha Bessy Olson-Bromley.....Cosmopolis, Wash.
Stanley Hall Roberts.....Minister, Britton, S. D.
Lydia Anna Schroedel-Hobart.....Minneapolis, Minn.
Clarence Mason Stearns.....Business, St. Paul, Minn.
Robert Sinclair Wallace.....U. S. Forest Service, Roseburg, Ore.

Class of 1909

Emma Bertelle Barker-Marvin.....Duluth, Minn.
Lucas H. Brinks.....Superintendent, Elbow Lake, Minn.
Albert Daniel Davies.....Business, Minneapolis, Minn.
David Roy Jones.....Minister, Bowling Green, Mo.
Lulu Lane Piper-Aiken.....Ontario, Ore.

Class of 1910

George Samuel Barclay Acheson.....Minister, Raymond, Wash.
William Jefferson Bell.....Minister, Mountain Iron, Minn.
Joseph Vaclav Beran.....Business, Hibbing, Minn.
Charles Taylor Burnley.....St. Paul, Minn.
Edward John Carson.....Minister, Conrad, Iowa
John Andrew Evert.....Physician, Brainerd, Minn.
June Rose Evert-Lanterman.....Mandan, N. D.
Albert Howard Gammons.....Minister, Jacksonville, Ore.
Jesse Willis Hamblin.....Minister, Cass City, Mich.
Stanley Hurlbut Hodgman..... Potlatch, Idaho
William Andrew Horne.....Minister, Calvin, N. D.
Helen Mary Hunt-Bell.....Mountain Iron, Minn.
Edward Henry Joesting.....St. Paul, Minn.
John Archibald McEwen.....Minister, Hannaford, N. D.

Sarah Grace McMartin-Carson.....Minneapolis, Minn.
Pearl Alma Nash-Evert.....Brainerd, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Minnie Mae Pierson-Evans.....Middle River, Minn.
Mary Elsie Raymond-Muhr.....Eugene, Ore.
Gladys Isabelle Roberts.....Minneapolis, Minn.
Jeannette Paulina Sawyer-Guild.....St. Paul, Minn.
Frederick Samuel Shimian.....Minister, Coquille, Ore.
Elmer Stuart Smith.....Kopiah, Wash.
Elizabeth Libby Staples-Brown.....St. Paul, Minn.
Vernon Elliott Stenerson.....Minneapolis, Minn.
Anna Elizabeth Taylor.....Chicago, Ill.
Norman Kendall Tully.....Minister, Galesville, Wis.
Ruth Minerva von Dorn-Gammons.....Jacksonville, Ore.
June Adelia Woodward.....Granite Falls, Minn.

Class of 1911

William Ernest Baskerville.....Business, St. Paul, Minn.
Charles Bremicker.....Minister, Highland, Wis.
Allan Hill Brown.....Minister, Sandwich, Ill.
Homer Clyde Cardle.....Business, St. Paul, Minn.
Fred F. Carson.....Teacher, Minneapolis, Minn.
Janet Isabella Dodds.....Teacher, Norwood, Minn.
Donald Smith Doty.....Attorney, St. Paul, Minn.
Effie Miranda Ellison-Miner.....La Moure, N. D.
Hulda Olivia Ellison.....La Moure, N. D.
Oscar Melvin Ellison.....Business, La Moure, N. D.
Marjory Lucy Hanson.....Teacher, Corvallis, Ore.
Bayard William Heed.....Teacher, Verndale, Minn.
Arthur Billings Hunt.....St. Paul, Minn.
Ernest Wilburt Johnson.....Teacher, St. Paul, Minn.
Ina Elizabeth Lindsley.....Marshall, Minn.
Anna Mae Little-Johnson.....St. Paul, Minn.
Luella Irene Murphy-Dickinson.....Pierpont, S. D.
William Earls Noyes.....Teacher, Medford, Minn.
Adelaide Wadsworth Payne.....Teacher, Blue Earth, Minn.
Russell Stephen Peterson.....Teacher, Silver Lake, Minn.
Leland William Porter.....Minister, Howard Lake, Minn.
Edna Francis White-Becker.....Amboy, Minn.

Class of 1912

Anna Elizabeth Anderson-Carson.....Conrad, Iowa
Dorothy Elizabeth Baumgart.....Teacher, St. Paul, Minn.
Clara Berdan.....Teacher, Albert Lea, Minn.
James Brinks.....Business, Lake Benton, Minn.
Orville Clifton Cardle.....Business, Missoula, Mont.
Bessie Florence Clark.....Teacher, Staples, Minn.
Mabel Emma Cosgrove.....Le Sueur, Minn.
Elva May Davis-Westerlund.....Northwood, Ia.
Louise Lombard Davisson-Tripp.....Minneapolis, Minn.
Jessie Ellen Fisher-Thomas.....Minneapolis, Minn.
Clarence Oscar Graue.....Coeur d'Alene, Idaho
Lilah Agnes Holden.....Teacher, Hudson, Wis.
Florence Hunt.....Teacher, Barnum, Minn.
Earl Duane Jenckes.....Dispatch, St. Paul, Minn.
Clarence Eugene Johnson.....Wayland, Minn.
Marion Burdick Jones.....Teacher, Glencoe, Minn.
Ruth Anna McKinlay.....Teacher, Medford, Minn.
Clarice Audrey Miller-Noyes.....Medford, Minn.
Pearl Margueritte Palmer.....Los Angeles, Cal.
John Gottfried Schmidt.....Teacher, Harlan, Ia.
William Ellison Scott.....Principal, South St. Paul, Minn.
Ella A. Stearns.....Jasper, Minn.
Edna Alda Stewart.....Principal, Lake Crystal, Minn.
Cassie Marie Stoddart.....Teacher, White Bear, Minn.
Oakley Russell Tripp.....Y. M. C. A., Minneapolis, Minn.
Oscar Westerlund.....Minister, Northwood, Ia.
Muriel Faye Wheeler.....Teacher, Devils Lake, N. D.
Harry Merrium Willmert.....Business, Blue Earth, Minn.
Ralph Calvin Wilson.....Teacher, St. Louis, Mo.

Class of 1913

Enoch Newman Bengtson.....Rush City, Minn.
Ragna Leonora Bye-Klein.....Minneapolis, Minn.
Lenna May Campbell.....Minneapolis, Minn.
Wilfrid Gladstone Campbell.....Teacher, Superior, Wis.
Paul Ephraim Carlson.....Teacher, Montrose, Minn.
Mary Genevieve Carver-Stevens.....St. Paul, Minn.
George Oliver Chase.....Teacher, Manvel, N. D.
Leonard Alvin Clark.....Teacher, Hanska, Minn.
Mary Bernice Clark.....Teacher, Annandale, Minn.
Emma Joy Frederick.....Teacher, Renville, Minn.

William Henry Wallace Holley, Student, U. of M., Minneapolis, Minn.
Berenice Antoinette Kellogg-Hamilton ..... Trenton, N. J.
Robert Lloyd Lang ..... Mapleton, Minn.
Del Leslie Laughlin ..... Teacher, Lisbon, N. D.
Grace Eloise McClure-Voss ..... Morris, Minn.
Elmer Shepard MacCourt ..... Dentist, St. Paul, Minn.
Joseph Robert Neller ..... New Brunswick, N. J.
Florence Amelia Otis ..... Teacher, Emporia, Kans.
Norton Walter Peet ..... Deceased
William Conkey Phillips ..... Teacher, Eau Claire, Wis.
Edith Beatrice Pierson ..... Nurse, Minneapolis, Minn.
Ruth Lynn Porter ..... Teacher, Clark, S. D.
Adeline Marie Rosebrock ..... Teacher, Kerkhoven, Minn.
Mabel Josephine Scott-Peterson ..... Mantorville, Minn.
Ray Simons ..... Teacher, Virginia, Minn.
James Merton Snyder ..... Principal, Fulda, Minn.
Marie Ellen Thomas ..... Teacher, Excelsior, Minn.
Katie Lillian White ..... Teacher, Cleveland, Minn.
Vera May Zimbeck ..... Teacher, Maynard, Minn.

Class of 1914

Carrie Ellen Alvord ..... Teacher, Washburn, Wis.
Richard Harlow Anderson ..... Alexandria, Minn.
Wallace Jay Anderson ..... Theological Student, San Anselmo, Cal.
Harold Harvey Baldwin ..... Theological Student, Princeton, N. J.
Hosea Greenwood Bosley ..... Teacher, Luverne, Minn.
Arthur George Brown ..... Teacher, Bottineau, N. D.
Truman Dean Brown ..... Teacher, Clinton, Minn.
Margaret Buckbee ..... Minneapolis, Minn.
Lulu Ellen Carey ..... Teacher, Duluth, Minn.
Howard Edward Clark ..... Superintendent, Rugby, N. D.
Margaret MacGregor Doty ..... Teacher, Elbow Lake, Minn.
Leslie Lisle Druley ..... Business, St. Paul, Minn.
Vera Margery Dunlap-Marvin ..... St. Paul, Minn.
Lloyd Gilmore ..... Hope, N. D.
John Leslie Harvey ..... Theological Student, San Anselmo, Cal.
Burton Patriquine Holt ..... Minister, Redwood Falls, Minn.
Alice Louise Lindsley ..... Teacher, Amery, Wis.
Bessie Elizabeth Lovell ..... Principal, Jasper, Minn.
Edward Everett McCabe ..... Graduate student, Palo Alto, Cal.
Mable Mohr ..... Teacher, Starkweather, N. D.
Esther Neller ..... Teacher, Austin, Minn.

Evelyn Pickthorn.....Brown's Valley, Minn.
Helen Maria Prosser.....Teacher, Hutchinson, Minn.
Harold Percy Roberts.....Teacher, Dell Rapids, S. D.
Gertrude Gray Smith.....Teacher, Litchfield, Minn.
Helen Antonia Stratte.....Dawson, Minn.
Selma Ovidia Stratte.....Dawson, Minn.
Florence Adell Switzer-Hamil .....Two Harbors, Minn.
Charles Albert Thomas.....Business, St. Paul, Minn.
Elmer Wilcox Trolander.....Student, U. of C., Chicago, Ill.
Della Ann Trotter-Brown.....Bottineau, N. D.
Lucius Harlow Watkins.....Carlton, Minn.

Class of 1915

Clark Albin Abrahamson.....Towner, N. D.
Paul Benjamin Bremicker.....Milwaukee, Wis.
Olive Margaret Brown.....Pipestone, Minn.
Mary Reid Cardle.....Teacher, Mapleton, Minn.
Edward Maurice Clark....Theological Student, San Anselmo, Cal.
Luella Clara Conley.....Ray, N. D.
Margaret Defiel.....Teacher, Morgan, Minn.
Josephine Dixon.....Warren, Minn.
Gwendolyn Lotimer Eastman.....Teacher, Pine River, Minn.
Eunice Geer Finch.....Deceased
Alice Julia Flinn.....Teacher, Ashland, Ore.
Edith Almeda Haigh.....Teacher, Randalia, Iowa
Hillard Herman Holm.....Minneapolis, Minn.
Catharine Deaver Lealtad.....St. Paul, Minn.
Mabel Griffiths Montgomery.....Oriska, N. D.
John Samuel Nyquist .....Homestead, Mont.
Emily Helen Payne.....Graduate Student, St. Paul, Minn.
Madge Porter.....Teacher, Langdon, N. D.
Frieda Jeannette Radusch.....St. Paul Park, Minn.
Plato Earl Sargent.....St. Paul, Minn.
Herbert Harrison Sell.....Teacher, Fertile, Minn.
Ruth Virden Slagg.....Pipestone, Minn.
Henry Frank Softley.....Theological Student, Chicago, Ill.
Gwendolyn Bromley Williams-Slade.....Minneapolis, Minn
Bert Benjamin Willmert.....Blue Earth, Minn.

Class of 1916

Arthur Glenn Adams.....Theological Student, Chicago, Ill.
Grace Emily Brown.....Teacher, Gaylord, Minn.
Beryl Alberta Brownlee.....Teacher, Jackson, Minn.

Gordon Lyman Brownlee.....Business, Minneapolis, Minn.
George Rowland Collins.....Teacher, Peoria, Ill.
Edna Marguerite Cottrell.....Teacher, Ivanhoe, Minn.
Thomas Crocker.....Theological Student, Chicago, Ill.
Francis Marion Dana.....Graduate Student, Philadelphia, Pa.
Marie Eleanor de Booy.....Teacher, Washburn, Wis.
Margaret Douglass Downing.....Teacher, Annandale, Minn.
Ruth Marie Featherstone.....Teacher, Mountain Lake, Minn.
William Taber Greig.....Business, St. Paul, Minn.
Helen Charlotte Gullikson.....Blue Earth, Minn.
Vergil Homer Guthrie.....Teacher, Oskaloosa, Ia.
Frank Edward Hall.....Business, Fernwood, Idaho
Arthur Bristow Hood.....Business, Rapid City, S. D.
Isabelle Howard.....Business, Minneapolis, Minn.
Howard Neff Huelster.....Business, St. Paul, Minn.
Vincent Raymond Hunt.....Teacher, Rugby, N. D.
Constance Darling Hunter.....Teacher, Inkster, N. D.
Bertha Mamie Hurr.....Shakopee, Minn.
Gordon Lewis Keeley.....Business, Rapid City, S. D.
Christopher Leo Kenny.....Teacher, New Prague, Minn.
Fred Joseph Kenny.....Teacher, Ivanhoe, Minn.
David Nathaniel Ling.....Teacher, Winnebago, Minn.
John Thompson McCallum.....Teacher, Luverne, Minn.
Jessie Elizabeth McClure.....Teacher, Tower City, N. D.
Emily Lois McConkey-Baldwin.....Princeton, N. J.
Erwin Herbert Metag.....Teacher, Cambridge, Minn.
Loana Miriam Miller.....Graduate Student, Minneapolis, Minn.
Anna Seraphina Nelson.....Teacher, Montrose, Minn.
Andrew Hilmer Norum.....Minister, St. Paul, Minn.
Adolf Olson.....Teacher, St, Paul, Minn.
Sadie Porter.....Teacher, Madison, Minn.
Howard Johnson Rankin.....St. Paul, Minn.
Zylpha Lauretta Sharpe.....Teacher, Verndale, Minn.
John Lyman Sheean.....Teacher, Little Falls, Minn.
Alice Emma Stearns.....Teacher, Ivanhoe, Minn.
Olga Constantine Terzieff.....Graduate Student, New York City
Stella Alice Tuttle.....Teacher, Sibley, Iowa
Vera Marie Utter.....Teacher, LeSueur, Minn.
William Liston Walker.....Teacher, Plainview, Minn.
Irving Howard Williams.....Minneapolis, Minn.
Margaret Jane Williams.....Teacher, Byron, Minn.

Alumni of the Conservatory of Music

Class of 1900

Mrs. Maud Taylor-Hansen.....Minneapolis, Minn.

Class of 1901

Millicent Viola Mahlum-Kelts.....Newton, Kan.

Class of 1905

Grace Taylor-Franklin.....Emerado, N. D.
Mrs. W. H. Amos.....Ida Grove, Iowa

Class of 1906

Carmen Mahlum.....Brainerd, Minn.
Pearl Neeb.....Lewiston, Minn.
Charrie Roberton.....Rushford, Minn.
Mildred Gretchen Phillips-Kindy.....St. Paul, Minn.
Paul H. Th. Rusterholz.....Minneapolis, Minn.

Class of 1907

Gyda Hansen.....St. Paul, Minn.
Richard U. Jones.....St. Paul, Minn.

Class of 1908

Ethel Erkenbrack-Funk.....Minneapolis, Minn.
Ada Nash.....Pipestone, Minn.
Gladys Neff.....Neillsville, Wis.
Minnie Tullar-Doty.....St. Paul, Minn.
Clara Odenwald-Abbet.....Worthington, Minn.

Class of 1909

Lorraine Vern Miller.....La Moure, N. D.
Rhea Le Pierre Rocheleau.....Ocean Park, Cal.
Anna May Woodworth.....Carlton, Minn.

Class of 1910

Ardelia Bisbee.....Madelia, Minn.
Mildred C. Corliss.....Portland, Ore.
Ada Dahlgren.....St. Paul, Minn.
Lillian Hall.....Minnewaukan, N. D.
Estelle Spayde.....Rapid City, S. D.

Class of 1911

Charlotte Burlington.....St. Paul, Minn.
Elva May Davis-Westerlund.....Northwood, Iowa
Katherine Gamble-Baskerville.....St. Paul, Minn.
Myrtha Marie Gunderson.....St. Paul, Minn.
Ethel Haggard-Stewart.....St. Paul, Minn.
Stella Wilhelmina Heger.....St. Paul, Minn.

Class of 1912

Mary Genevieve Carver-Stevens.....St. Paul, Minn.
Ethel Wilcox.....Mankato, Minn.
Lottie M. Olson-Taralseth.....Warren, Minn.
Alice R. Olson.....Fargo, N. D.
Louise Appel.....Springfield, Minn.
Erna Appel.....Springfield, Minn.

Class of 1913

Harriet Martha Caldwell.....Monango, N. D.
Constance Pearl Johnson.....St. Paul, Minn.
Alice Elvira Larson.....Alexandria, Minn.
Geneva Samson.....St. Paul, Minn.
Ethel May Stewart.....St. Paul, Minn.
Stella Alice Tuttle.....Hastings, Minn.
Margaret Jane Williams.....Minneapolis, Minn.
Gladys Ruth Ziesemer.....St. Paul, Minn.

Class of 1914

Jean Adie (Bachelor of Music).....St. Paul, Minn.
Harriet Caldwell.....Monango, N. D.
Mabel Reed.....St. Paul, Minn.
Hazel Roche.....Farmington, Minn.
Evelyn Rumble.....St. Paul, Minn.
Blanche Runyon-Rose.....St. Paul, Minn.
Mildred Skauge.....Brainerd, Minn.
Ruth Spater.....St. Paul, Minn.
Clarence Vokoun.....St. Paul, Minn.
Amelia Wolf.....Nerstrand, Minn.
Vernie Wolfsberg.....St. Paul, Minn.

Class of 1915

Albina Agnes Minar.....Browerville, Minn.
Frank C. L. Minar.....Browerville, Minn.
Grace Evangeline Olen.....St. Paul, Minn.
Olive E. Scott.....Stillwater, Minn.
Ann Elizabeth Shell.....Wallowa, Ore.
Ethel Genevieve Tamborino.....St. Paul, Minn.
Grace Marie Waddell.....St. Paul, Minn.
Maude Julia Wanzer.....Charleston, W. Va.

Class of 1916

Lilah Bellingham.....Cascade, Mont.
Lajla Dale.....Madison, Minn.
Elizabeth Erickson.....Bemidji, Minn.
Pearl Fox.....St. Paul, Minn.
Edith Gunderson.....Kenyon, Minn.
Louis Jacobi.....St. Paul, Minn.
Grace O'Neale.....Jackson, Minn.
Harriet Pierpont.....Bruce, Wis.
Daniel Thomassian.....St. Paul, Minn.
Janet Vokoun.....St. Paul, Minn.

Bachelor of Music Degree

Evelyn Rumble.....St. Paul, Minn.

Roll of Students

Senior Class

Effie Alice Adams.....Luverne, Minn.
Wylie Gustave Akenson.....St. Paul, Minn.
Oscar Lee Black.....St. Paul, Minn.
Ellen Mary Chase.....Minneapolis, Minn.
Lajla Marie Dale.....Madison, Minn.
Gladys Somers Dallimore.....St. Paul, Minn.
Herbert Emil Dierenfield.....Fairfax, S. D.
Alice Muriel Everts.....Ashby, Minn.
Emanuel Ossian Franklin.....Oakland, Nebr.
Charles Gerlinger.....Spur, Minn.
Wallace Graydon Gibson.....St. Paul, Minn.
Pauline Hayes.....St. Paul, Minn.
Milton Boyce Hebeisen.....Carver, Minn.
Ethelwyn Annette Hopkins.....Mankato, Minn.
Charles Stanley Knott.....Spur, Minn.
Violet Helena Knutson.....Rochester, Minn.
John Arthur Lewis.....St. Paul, Minn.
Ethel Marie McClure.....Litchfield, Minn.
Swan William Mattson.....Kensington, Minn.
Ernest Gustav Norstrom.....Minneapolis, Minn.
Evelyn Bradbury Page.....White Bear, Minn.

Harriet Phillips.....Worthington, Minn.
Esperanza Reina.....Zitachan, Mexico
Joseph Howard Rhoads.....South St. Paul, Minn.
Allen John Robertson.....Rochester, Minn.
Irving John Roth.....Minneapolis, Minn.
Evelyn Mary Rumble.....St. Paul, Minn.
Esther Atta Schumann.....Rugby, N. D.
Gertrude Simons.....Virginia, Minn.
Fremont David Taylor.....Aitkin, Minn.
Anna Marie Wagner.....St. Paul, Minn.
Lucille Anna Wilkerson.....St. Paul, Minn.
Clarence Charles Willmert.....Blue Earth, Minn.

Junior Class

Esther Abbetmeyer.....St. Paul, Minn.
Donald Leslie Augustine.....Kasson, Minn.
Lucia Rebecka Brown.....St. Paul, Minn.
Ella Isabelle Clapp.....Kasota, Minn.
Dorothy Dornberg.....St. Paul, Minn.
Ruth Emhoff.....Owatonna, Minn.
John Kenneth Erickson.....Fulda, Minn.
Erling Eriksen.....St. Paul, Minn.
John Louis Ferry.....Kisbey, Sask.
Ralph Everett Greig.....Rushmore, Minn.
Roy Alfred Greig.....Rushmore, Minn.
Jesse Collins Hales.....North Branch, Minn.
Margaret Lyla Hammond.....St. Paul, Minn.
Victor A. Heed.....St. Paul, Minn.
Frank Orville Holmes.....St. Paul, Minn.
Alice Erra Hough.....Kerkhoven, Minn.
Lewis A. Hughes.....Hopkins, Minn.
Esther Jerabek.....Silver Lake, Minn.
Merle Constance Johnson.....St. Charles, Minn.
Adolf Kongelf.....Sidney, Mont.
Robert Laird.....De Ruyter, N. Y.
Raymond Horace Landon.....Minneapolis, Minn.
Eugenie Marie Legault.....Stephen, Minn.
Walter August Lienke.....St. Paul, Minn.
Lauron Harmon Lovelace.....Cottonwood, Minn.
Glen Nyren McNaughton.....Cohasset, Minn.
Howard Hope McNiven.....Empress, Alta.

Francis Lois Marvin ..... Duluth, Minn.
Edwin Elmer Olson ..... St. Peter, Minn.
Iva Hortense Olson ..... Minneapolis, Minn.
Alexander Whyte Robertson ..... Langdon, N. D.
Helen Isabel Sivertson ..... Crookston, Minn.
Jean Pauline Smith ..... Stillwater, Minn.
Myrtle Dorothy Steen ..... Kerkhoven, Minn.
Lenore Stuart ..... Rapid City, S. D.
Milton Francis Sturtevant ..... St. Paul, Minn.
Thomas Douglas Turnbull ..... St. Paul, Minn.
Thomas Edward Waddelow ..... Fairfield, Ill.
Fred C. Wagner ..... Rolla, N. D.
Miriam Winifred Wallace ..... St. Paul, Minn.
Ruth Azalia Webster ..... St. Paul, Minn.
Arthur Louis Whiton ..... Rochester, Minn.
Nancy Olivia Wick ..... Minneapolis, Minn.
Paul Williams ..... Owatonna, Minn.

Sophomore Class

Julian Francis Anderson ..... Preston, Minn.
Reuben M. Anderson ..... Worthington, Minn.
Leila Arvilla Atcherson ..... Appleton, Minn.
Dorothy Badger ..... Minneapolis, Minn.
John Lennart Beck ..... Mountain Iron, Minn.
Leo Emil Beck ..... Mountain Iron, Minn.
Bertha Blair ..... Duluth, Minn.
Leonard Bedient Brabec ..... Kasson, Minn.
Cleo Louise Brandrup ..... Mankato, Minn.
Leslie Willis Brown ..... St. Paul, Minn.
Charles S. Bryan ..... Red Wing, Minn.
Theodore Arzt Butzin ..... St. Paul, Minn.
Elizabeth Clark ..... Duluth, Minn.
Helen Clark ..... Rockville, Minn.
Constance Cronhardt ..... St. Paul, Minn.
Dorothy Gertrude Cummins ..... Blanchard, N. D.
Marya E. Cushing ..... St. Paul, Minn.
Walfred Danielson ..... St. Paul, Minn.
Wadie David David ..... Damascus, Syria
Florence Anna Defiel ..... St. Paul, Minn.
Muriel Emily Carr Eastman ..... St. Paul, Minn.
Lucile Grace Farrell ..... Warren, Minn.

Charles Augustine Flinn.....St. Paul, Minn.
Robert Francis Gale.....St. Paul, Minn.
Hugh Glenn.....Minneapolis, Minn.
Evelyn Carolyn Gran.....Jordan, Minn.
Edna Grace Grinager.....Minneapolis, Minn.
Edith Sophia Gunderson.....Kenyon, Minn.
Melvin Louis Gundlach.....St. Paul, Minn.
Veva Ruth Halverson.....Revillo, S. D.
Anna Estella Hammerlun.....Cokato, Minn.
Tillie Hansen.....Russell, Minn.
Hulda Johanna Hanson.....New London, Minn.
Helen Kay Hargreaves.....St. Paul, Minn.
Charlotte Hawley.....Minneapolis, Minn.
James Kidd Hilyard.....St. Paul, Minn.
Josephine Jennings.....Janesville, Minn.
George Arthur Jensen.....Glenwood, Minn.
Victor Englebert Johnson.....Cokato, Minn.
W. Edward Johnson.....Duluth, Minn.
Herbert William Larseen.....Minneapolis, Minn.
Robert Clarence Larson.....St. Paul, Minn.
Ethel Marion Leck.....Minneapolis, Minn.
Marian Louise Lesher.....St. Paul, Minn.
Amy Marie LeVesconte.....Prior Lake, Minn.
Hadley Henry Lidstrom.....Glen Ullin, N. D.
Alice Vivian Little.....Madison, Minn.
Sana Beth McKenny.....Spring Valley, Minn.
William Gordon McLean.....Minneapolis, Minn.
Margaret McLeod.....St. Paul, Minn.
Hazel Vivian McMaster.....Canton, Minn.
Helen Willina McRae.....St. Paul, Minn.
Sidney G. Mason.....Buffalo, N. D.
Esther A. Neverman.....La Moure, N. D.
Norman Eugene Nygaard.....Minneapolis, Minn.
David Nathaniel Nyquist.....Cokato, Minn.
Irwin Milton Olsen.....Minneapolis, Minn.
Amos David Owen.....Minneapolis, Minn.
John Alexander Patterson.....St. Paul, Minn.
Lucy Marie Peterson.....St. Paul, Minn.
Walter Weston Pierce.....Newtonia, Mo.
Emily F. Pomerenke.....Good Thunder, Minn.
Marion Reader.....Pipestone, Minn.

George Douglas Reed.....St. Paul, Minn.
Gladys Harriett Reutiman.....Stillwater, Minn.
Clara Goldena Robinson.....Warren, Minn.
Hazel Louisa Roche.....Farmington, Minn.
Harry Stone Slater.....Afton, Minn.
Helen Agnes Slater.....Afton, Minn.
Ada Rose Stalker.....Duluth, Minn.
Helen Strachan.....Duluth, Minn.
Esther Sundfelt.....St. Paul, Minn.
Allyn Casper Taylor.....St. Paul, Minn.
Clarinda Eleanor Trandem.....St. Paul, Minn.
Arthur Joseph Treacy.....St. Paul, Minn.
Beatrice Walker.....White Bear, Minn.
Margaret Thompson Walters.....St. Paul, Minn.
David Percy Wasgatt.....Winnebago, Minn.
Charles M. Wenzel.....Kenyon, Minn.
Margaret E. Wharry.....St. Paul, Minn.
Alvin Pontus Wold.....St. Paul, Minn.
Amelia Wolf.....Nerstrand, Minn.

Freshman Class

Mildred Abbetmeyer.....St. Paul, Minn.
William Dewey Amundson.....Kerkhoven, Minn.
Oliver Anderson.....Minneapolis, Minn.
Alice Eleanor Andrews.....St. Paul, Minn.
Horace Parker Bagley.....St. Paul, Minn.
Marion Bagley.....St. Paul, Minn.
Clinton Crosby Bailey.....Kasota, Minn.
Madge Elizabeth Barnes.....St. Paul, Minn.
Leah Del Beattie.....Minneapolis, Minn.
Margaret Alexander Bell.....Minneapolis, Minn.
Albert A. Beltmann.....Tower City, N. D.
John S. Benson.....Barron, Wis.
Willis Bergen.....Minneapolis, Minn.
Harold Arzt Binder.....St. Paul, Minn.
Myra Jane Birkett.....Hazel Green, Wis.
Henry J. Bloedel.....Carver, Minn.
Joseph F. Borg.....St. Paul, Minn.
Paul Herbert Brandt.....Murdock, Minn.
Adrian M. Bullis.....Sandstone, Minn.
Marion Grosvenor Burton.....Blue Earth, Minn.

Alvin C. Busse.....Slayton, Minn.
Ralph I. Canuteson.....Galesville, Wis.
Marion Catherine Cardle.....St. Paul, Minn.
Inga Isabel Carlquist.....Warroad, Minn.
Viola May Carlquist.....Warroad, Minn.
Ruth Evangelyn Carlson.....Dassel, Minn.
Edith Almyra Chase.....Kasson, Minn.
William Gibson Claffy.....Two Harbors, Minn.
Esther Pearl Clarke.....Petersburg, Ind.
Florence Claus.....St. Paul, Minn.
Mae Charlotte Coleman.....Elbow Lake, Minn.
Marion A. Conger.....Mora, Minn.
Bernice E. Copas.....Copas, Minn.
Walter Leon Corey.....St. Croix Falls, Wis.
Marguerite Craig.....Bottineau, N. D.
Joseph Douglas Crane.....St. Paul, Minn.
Alice Grace Davidson.....St. Cloud, Minn.
Paula Doermann.....St. Paul, Minn.
Marjorie Dornberg.....St. Paul, Minn.
Lawrence W. Dougherty.....Monticello, Minn.
Robert McIntyre Douglass.....Minneapolis, Minn.
Phyllis Myrle Dower.....Wadena, Minn.
Raymond Duus.....Tracy, Minn.
Lucile Jeannette Erickson.....Fulda, Minn.
Reginald G. Faragher.....Adrian, Minn.
Elmer Morton Finck.....St. Paul, Minn.
Morris Finstad.....Cusson, Minn.
Rachel Luella Flanum.....Rice Lake, Wis.
Alice M. Fletcher.....Pipestone, Minn.
Ethel Alice Fletcher.....St. Paul, Minn.
Harvey Robert Fliehr.....Virginia, Minn.
Lillian Flitch.....St. Paul, Minn.
Nola Gladys Forest.....Lake Wilson, Minn.
Victor Karl Funk.....St. Paul, Minn.
James Alexander Garrow.....New Ulm, Minn.
Edward B. Giese.....East Grand Forks, Minn.
John Raymond Gill.....South St. Paul, Minn.
Frances Gillette.....North St. Paul, Minn.
Ray James Goodwin.....Red Wing, Minn.
Frances Ruth Gordon.....Browns Valley, Minn.
Florence Elizabeth Gow.....St. Paul, Minn.

Adele Grant.....Minneapolis, Minn.
Hazel Mary Griffith.....St. Vincent, Minn.
Carroll Abner Gunderson.....St. Paul, Minn.
Marion Ethel Haigh.....St. Paul, Minn.
Louise Elizabeth Hall.....Austin, Minn.
Doris Aileen Halverson.....Revillo, S. D.
Edwin Lewis Hanson.....Osakis, Minn.
Willis Blackford Hazleton.....Minneapolis, Minn.
Agnes Louise Hedeen.....St. Paul, Minn.
Elsie Ethel Heimer.....South St. Paul, Minn.
Ruth Anna Helweg.....Fulda, Minn.
Berthold Hensel.....Minneapolis, Minn.
Guy Louis Hill.....St. Paul, Minn.
Charles Himmler.....Minneapolis, Minn.
LeRoy C. Holm.....La Porte, Ind.
Claude Douglas Holzinger.....Kerkhoven, Minn.
Julia Abbott Howie.....Winnebago, Minn.
Ruth Hoxie.....Duluth, Minn.
Richard D. Hullsiek.....St. Paul, Minn.
Dorothy Wilder Hutchinson.....St. Paul, Minn.
Frances Lucy Hyslop.....Slayton, Minn.
Helen S. Ingmundson.....St. Paul, Minn.
Norman C. Irgens.....Minneapolis, Minn.
Ernest J. Johnson.....Minneapolis, Minn.
Linnea Margaret Johnson.....Milaca, Minn.
Anna H. Johnston.....Pipestone, Minn.
Albert Christian Kavli.....Minneapolis, Minn.
Walter Philip Keller.....Slayton, Minn.
Mintie Florence Kitto.....Tower, Minn.
Carrie Louise Krugmeier.....St. Paul, Minn.
Mae Cecele Landeene.....Elbow Lake, Minn.
Winifred Violet Lapp.....St. Vincent, Minn.
Robert George Larson.....St. Paul, Minn.
Lawrence Joseph Leonard.....Jordan, Minn.
Mildred Irving Leven.....St. Paul, Minn.
Frieda Lockner Lienke.....St. Paul, Minn.
James Lightfoot.....Cloquet, Minn.
Raymond Lilley.....St. Paul, Minn.
Robert D. Lindgren.....Adrian, Minn.
Edward Frithiof Lundholm.....St. Paul, Minn.
William Southwell McAllister.....Slayton, Minn.

J. Blair McLeod.....Minneapolis, Minn.
Marion Leola McLeod.....St. Paul, Minn.
Muriel Chalmers Mackintosh.....St. Paul, Minn.
John W. Maddex, Jr.....La Plata, Mo.
Clifford Harvey Medcalf.....St. Paul, Minn.
Irene Eva Meyers.....Ashland, Wis.
Lyman S. Miller.....Minneapolis, Minn.
Joseph Le Roy Milnar.....St. Paul, Minn.
Frances Elizabeth Morgan.....Washburn, Wis.
Frederic Armstrong Moulton.....Winnebago, Minn.
Arthur T. Nelson.....Minneapolis, Minn.
Walter R. Nelson.....Minneapolis, Minn.
Louise Margaret Nickow.....St. Paul, Minn.
Florence Nord.....Carver, Minn.
James George Novack.....Minneapolis, Minn.
Violet May Olson.....Maynard, Minn.
William I. Orlebeke.....Clara City, Minn.
Eugene Dow Parker.....Minneapolis, Minn.
Ruth Cleone Parsons.....St. Paul, Minn.
Lloyd Peabody.....St. Paul, Minn.
Irene Marguerite Peterson.....Pipestone, Minn.
Ellen Marie Pope.....Mora, Minn.
Richard Fillmore Pulver.....Kasota, Minn.
Pauline Ramseyer.....Duluth, Minn.
Cecil Harold Raymond.....Le Sueur, Minn.
Madeleine Jean Reader.....Pipestone, Minn.
Mary Elizabeth Rhodes.....Williston, N. D.
Allen A. Rock.....Two Harbors, Minn.
Roy Anthony Ronan.....Manvel, N. D.
Ruth Amelia Rost.....Kerkhoven, Minn.
Robert Adin Schmidt.....Minneapolis, Minn.
Mahlon Karl Andreas Schnacke.....St. Paul, Minn.
Peter Arthur Schulberg.....Minneapolis, Minn.
Marion Evangeline Schulz.....St. Paul, Minn.
Lyle Gensell Scott.....Two Harbors, Minn.
William John Shogren.....Eau Claire, Wis.
Florence Mary Simmonds.....St. Paul, Minn.
John L. Skoog.....Carver, Minn.
Esther O. Sovde.....Tower, Minn.
Alice Burgoyne Spencer.....St. Paul, Minn.
Mary Louise Spencer.....St. Paul, Minn.

Ed. J. Tanquist.....Mankato, Minn.
Angus H. Taylor.....Owatonna, Minn.
George Arthur Taylor.....Austin, Minn.
Irene Taylor.....Le Sueur, Minn.
Zenas H. Taylor.....Stanley, N. D.
Alice Evelyn Thompson.....Hallock, Minn.
William Carson Thompson, Jr.....St. Croix Falls, Wis.
Paul R. Updyke.....Fulda, Minn.
Doris Evelyn Utter.....St. Paul, Minn.
J. Adams Wasgatt.....Winnebago, Minn.
Cyla Myrtle Whitaker.....Litchfield, Minn.
Howard Hartnette Wolfe.....St. Paul, Minn.
Fred Carl Wurdell.....St. Paul, Minn.

Special Students

Mildred Brockman.....St. Paul, Minn.
Cecelia Duus.....Tracy, Minn.
Gladys Etheridge.....Wild Rose, Wis.
Wallace Sumner Hall.....St. Paul, Minn.
Edward Ludwig Johnson.....St. Paul, Minn.
Pearl N. Kaehler.....St. Charles, Minn.
Elvira Gwendolin Lomnes.....Hudson, Wis.
Laura M. Lynch.....Orr, N. D.
Mary Elizabeth McRae.....Lee, Mont.
Genevieve Emily Merrill.....Amboy, Minn.
Ruth Merryman.....Kerkhoven, Minn.
Benjamin N. Murrell.....St. Paul, Minn.
Rosamond M. Paschke.....Blue Earth, Minn.
Rhea Laura Raven.....Perham, Minn.
Claude A. Roth.....Galena, Ill.
Carl H. Schwedes.....Wabasha, Minn.
Agnes Valerian Wunderlich.....St. Paul, Minn.

Conservatory of Music

Alice Andrews.....St. Paul, Minn.
Alice Armstrong.....St. Paul, Minn.
Ruth Armstrong.....St. Paul, Minn.
Marion Bagley.....St. Paul, Minn.
Ruth Balcome.....St. Paul, Minn.
Gladys Bamberry.....St. Paul, Minn.

Stella Bamberry.....St. Paul, Minn.
Ethel Berger.....St. Paul, Minn.
Elizabeth Bill.....St. Paul, Minn.
Harry Bill.....St. Paul, Minn.
Leonard Brabec.....Kasson, Minn.
Paul Brandt.....Murdock, Minn.
Lorene Burns.....St. Paul, Minn.
Marion Burton.....Blue Earth, Minn.
Constance Colestock.....St. Paul, Minn.
Bernice Copas.....Copas, Minn.
Dorothy Cummins.....Blanchard, N. D.
Mrs. Marya Cushing.....St. Paul, Minn.
Lajla Dale.....Madison, Minn.
Ruth Diether.....St. Paul, Minn.
Cecelia Duus.....Tracy, Minn.
Mildred Eaton.....St. Paul, Minn.
Howard Everett.....St. Paul, Minn.
Lucille Farrell.....Warren, Minn.
Pauline Graaf.....St. Paul, Minn.
Edith Gunderson.....Kenyon, Minn.
Doris Halverson.....Revillo, S. D.
Julian Hirschman.....St. Paul, Minn.
Dorothy Hirst.....St. Paul, Minn.
Julia Howie.....Winnebago, Minn.
Ruth Hoxie.....Duluth, Minn.
Fred Hoyer.....Tolstoy, S. D.
William Jenkyns.....St. Paul, Minn.
Merle Johnson.....St. Charles, Minn.
Pearl Kaehler.....St. Charles, Minn.
Charles Kenney.....St. Paul, Minn.
Rosemary Kenney.....St. Paul, Minn.
Alice Kingery.....St. Paul, Minn.
Muriel Kingsley.....St. Paul, Minn.
Lucille Koch.....St. Paul, Minn.
Ella Laqua.....Bemidji, Minn.
Esther Larson.....St. Paul, Minn.
Harry Lewis.....St. Paul, Minn.
Helen Lewis.....St. Paul, Minn.
Evelyn Lindsay.....St. Paul, Minn.
Alice Little.....Madison, Minn.
Gwendolyn Lomnes.....Hudson, Wis.

Laura Lynch.....Orr, N. D.
Margaret McLeod.....St. Paul, Minn.
Edwin McQuillan.....St. Paul, Minn.
Herbert McQuillan.....St. Paul, Minn.
Cuyler McRae.....St. Paul, Minn.
Mary McRae.....Lee, Mont.
Elsie Maney.....Minneapolis, Minn.
Lois Marvin.....Duluth, Minn.
Genevieve Merrill.....Amboy, Minn.
Ruth Merryman.....Kerkhoven, Minn.
Gladys Mitchell.....St. Paul, Minn.
Lucille Moore.....St. Paul, Minn.
Florence Moorman.....St. Paul, Minn.
Margaret Mount.....St. Paul, Minn.
Ruth Nehrlich.....St. Paul, Minn.
Robert Norton.....St. Paul, Minn.
Edith Parker.....St. Paul, Minn.
Rosamond Pascke.....Blue Earth, Minn.
Agnes Peters.....St. Paul, Minn.
Elsie Peterson.....St. Paul, Minn.
Harriet Phillips.....Worthington, Minn.
Opal Plaisted.....Minneapolis, Minn.
Emily Pomerenke.....Good Thunder, Minn.
Esther Ramseyer.....Duluth, Minn.
Rhea Raven.....Perham, Minn.
Madeleine Reader.....Pipestone, Minn.
Elsie Richardson.....St. Paul, Minn.
Marion Ringstad.....St. Paul, Minn.
Louise Routh.....St. Paul, Minn.
Ruth Schickler.....St. Paul, Minn.
Ruth Schriber.....St. Paul, Minn.
Allan Shapira.....St. Paul, Minn.
Meyer Shapira.....St. Paul, Minn.
Dorothy Siebert.....St. Paul, Minn.
Edwin Sonntag.....St. Paul, Minn.
Helen Strachan.....Duluth, Minn.
Ruth Swift.....North St. Paul, Minn.
Irene Taylor.....Le Sueur, Minn.
Zenas Taylor.....Stanley, N. D.
Elsie Treibel.....St. Paul, Minn.
Mrs. W. E. Tricker.....St. Paul, Minn.

Doris Utter.....St. Paul, Minn.
Beulah Walbridge.....Hastings, Minn.
Beatrice Walker.....White Bear, Minn.
Iona Warnock.....St. Paul, Minn.
Dorothy Webster.....St. Paul, Minn.
Margaret Wharry.....St. Paul, Minn.
Miriam Wherry.....St. Paul, Minn.
Virginia Wherry.....St. Paul, Minn.
Jessie Wright.....St. Paul, Minn.
Agnes Wunderlich.....St. Paul, Minn.

Summary of Students

College	332
Conservatory of Music	98
Total	430
Counted Twice	37
Net, Total	393

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